

# The Eagle

United States Army Space and Missile Defense Command

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## Army Transformation Experiment/Millennium Challenge 2002 Small Space team providing huge impact to field commanders

By Debra Valine  
Editor, *The Eagle*

**FORT BRAGG, N.C.** — From an area barely larger than the back end of a long-bed pickup truck, Spc. Sabrina Bannister and fellow members of Army Space Support Team 5 from Colorado Springs, Colo., provided space-based capabilities that enhanced commanders' views of the MILLENNIUM CHALLENGE 2002 (MC02) battlefield at the

National Training Center at Fort Irwin, Calif.

Bannister, the network administrator, and the group of 11 civilians and 14 soldiers from the U.S. Army Space and Missile Defense Command (SMDC) operated and supported the Space Support Element (SSE). While only a small number of people compared to the 13,500 soldiers, sailors, airmen and Marines who participated in the three-week joint training experiment,

the team made a huge contribution through the use of leading-edge technology.

The SSE provided support to the Army Forces headquarters element — the XVIII Airborne Corps' 82<sup>nd</sup> Airborne Division — as part of the ARMY TRANSFORMATION EXPERIMENT 02, the Army's contribution to MILLENNIUM CHALLENGE. The capabilities of the SSE allowed warfighters access to space planning tools and enhanced commercial satellite imagery.

"The SSE is a one-stop shopping source for space-based capabilities," said Brig. Gen. Richard V. Geraci, who is dual-hatted as the deputy commanding general for Operations for SMDC and the Army Space deputy commanding general. "MC02 is the driver for getting our next seven years worth of work. Success will be determined by how well the SSE concept is received. The existence of the SSE mitigates risk."

While most of SMDC's involvement was at Fort Bragg, substantial support also was

provided at Nellis Air Force Base in Las Vegas, Nev., where the Future Operations Capability/Tactical Operations Center (FOC/TOC) was located. The Army Space Program Office also provided simulation support at the joint level to all services from the Navy's Fleet Center Pacific in San Diego, Calif.

SMDC objectives for the exercise included highlighting the criticality of space and missile defense in Rapid Decisive Operations and Army Transformation, as well as continuing along the path to normalizing space. A third objective was identifying space and missile defense Doctrine, Training, Leadership, Organization, Materiel and Soldiers (DTLOMS) solutions for the objective force.

"We're excited to have had the opportunity to demonstrate the importance of Army Space support in a joint experiment," said Lt. Col. Brad Baehr, officer in charge of the Space Support Element. Baehr was the senior Functional Area 40 officer for MILLENNIUM CHALLENGE 02. "Army Space, the Space and Missile Defense Battle Lab and Force Development Integration Center formed a strong team of soldiers and civilians coupled with leading-edge technology and operational concepts to support the SMDC MC02 initiatives."

See ATEx02 on Page 11



(Photos by Debra Valine)

Maj. Tim Haynie, left, the Spectral Operations Resource Center officer in charge, reviews maps of the exercise area with Space Support Element noncommissioned officer in charge Staff Sgt. Tony Simas. The maps are printed from terrain images pulled down from a satellite.

### Inside The Eagle

- The Command Corner.....Page 2
- Civilian/Military news.....Page 5
- Is long-term care insurance right for you?.....Page 6
- Army Space facility relocates to MacDill Air Force Base.....Page 7
- Family Action Plan delegates meet.....Page 9
- New soldiers discover old tradition.....Page 15
- RTS celebrates 100 percent tracking of new foreign launches.....Page 16
- Training underwater prepares Army astronaut for life in Space.....Page 20

## Brown assumes command of U.S. Army Kwajalein Atoll

By Peter Rejcek  
Associate Editor, *Kwajalein Hourglass*

**T**he change of command ceremony is a time-honored tradition, steeped in ritual and dignity. But the passing of the colors July 30 from Col. Curtis L. Wrenn Jr. to Col. Jerry P. Brown was also full of warm humor and emotion.

Wrenn closed his tenure at U.S. Army Kwajalein Atoll (USAKA) with his trademark humor, but also showed the human side that made him a popular commander among soldiers, civilians and especially the host nation.

Joking that by coming to Kwajalein he had fulfilled his promise to wife Sheila about owning beach front property, Wrenn grew serious, quoting Scripture:

"It says, 'Do nothing out of selfish ambition or vain conceit, but in humility, consider others better than yourself. Each of you should look not only to your own interests, but also to the interests of others.'

"I was supposed to come here and look after the interests of others," he said, before choking with emotion. "I think that's what we tried to do. And I would like to say thank you."

A standing ovation followed the former USAKA commander back to his seat.

Brown then took the podium, acknowledging the work by the Wrenns. Brown said Kwajalein has lived up to the expectations that have built over the last year since he learned of the assignment.

"Not often do these things live up to expectations ... We can say three things for sure: The place is just as beautiful, the people are just as warm and hospitable and after the town hall meeting the other night, the challenges are just as great," he said.

Brown comes to USAKA after serving the last three years as chief of War Plans, HQDA, the Pentagon, Washington, D.C. His wife, Jane, and daughters Autumn and

See Brown on Page 4

# The Command Corner



**Lt. Gen. Joseph M. Cosumano Jr.**  
Commanding General



**Command Sgt. Maj.**  
**Wilbur V. Adams Jr.**

One of the most important jobs we have as soldiers and Army civilians is training — in preparation to go to war, to do our day-to-day jobs better or more effectively, and for personal growth and advancement. The experience our soldiers and staffs gain in training events from “sergeants’ time” to major command post exercises like ULCHI FOCUS LENS, participation in Space and Missile Defense War games and this month’s MILLENNIUM CHALLENGE ’02 (MC02) transformation experiment translate directly into success on the battlefield. And over the past year, we have seen that “train as we’ll fight” has to be more than a catchy slogan, as Army Space Command soldiers have been deployed to Afghanistan, Kuwait and other places in support of OPERATIONS NOBLE EAGLE and ENDURING FREEDOM.

In venues like MC02, in which live field exercises are combined with computer simulation, the Army and other services get a chance to try out new concepts and equipment, and find out firsthand what works, what could work better next time and what doesn’t work. Here at SMDC, the lessons learned and insights gained from these events are major factors in determining the command’s goals and priorities to better support the Army. They influence our decisions about what technologies our Technical Center and Army Space Program Office should pursue, what doctrine, organizational designs and other operational requirements the Force Development Integration Center and the Battle Lab ought to develop and analyze, and how the command will focus its efforts to influence the Army and Defense Department on the acquisition of Space and missile defense systems.

In one of the command’s most visible and significant recent initiatives, resulting from shortfalls identified in just this way, we have formalized a process to train an Army cadre of Space Operations Officers (Functional Area 40). Two classes have already graduated, and the third is in Colorado Springs now. These captains and majors will carry their space expertise to the divisions and corps, other major commands and Army and Joint headquarters around the world.

Just as important as soldier training, of course, is training of our civilian work force. I encourage all our civilian employees and their supervisors to continue to develop, update and follow their individual training plans. By keeping up with changes in administrative processes and technology, or in developing new skills, you make yourselves even more valuable to the command and the Army. At the same time, continued training supports and enhances the employee’s own career goals and potential for advancement.

**SECURE THE HIGH GROUND!**

## The Federal Voting Assistance Program

has two Web sites to answer questions:

[www.fvap.gov](http://www.fvap.gov) or [www.fvap.ncr.gov](http://www.fvap.ncr.gov)

The sites are identical and provide

access to voting information for all

citizens, regardless of location.

While attending the change of command ceremony recently at the Ronald Reagan Ballistic Missile Defense Test Site on the Kwajalein Atoll in the Marshall Islands, I had the great pleasure of conversing with two distinguished gentlemen who also were there for the change of command ceremony: The Honorable Claude M. Bolton, assistant secretary of the Army for Acquisition, Logistics and Technology, and Michael J. Senko, U.S. ambassador to the Marshall Islands and the Republic of Kiribati.

We were at the luncheon sponsored by Lt. Gen. Joseph M. Cosumano Jr. for the incoming commander Col. Jerry P. Brown. The unexpected theme of both conversations was the great NCO Corps of our Army.

Bolton, a distinguished Air force combat fighter pilot and Vietnam veteran, was passionate as he talked about the professional and committed NCO Corps he has come to know while serving in his current position. He said the NCOs he has met have impressed him tremendously with their competence and candor.

Senko, a former Marine sergeant himself, was almost giddy as he described how much the great NCOs he served with still affect his life as he goes about his daily business.

I wish you could have felt the reverence in their voices as they talked about you. Here we have two distinguished gentlemen who could have spent the entire afternoon talking about presidents, cabinet members, branch secretaries ... but they only wanted to talk about sergeants. I was so taken aback I couldn’t wait until I had the opportunity to share this experience with you.

My discussion with those gentlemen took me back to one of my favorite books, “We Were Soldiers Once and Young.” This is a book that tells the story of the 1<sup>st</sup> Battalion, 7<sup>th</sup> Air Cavalry in its battles in the Ia Drang Valley in Vietnam in 1965. One of the excerpts described how the battalion was dropped in to secure three landing zones, in particular LZ X-ray.

The action described by Lt. Col. Hal Moore during this battle was:

“We moved online for about 100 or 150 yards before a volume of fire forced us to stop. We were taking casualties. I radioed Lt. Henry Herrick’s platoon and said: I think we are too close to you. Shoot one round off, wait to the count of three and shoot two more. The radio man, or whoever was on the radio, did that, so we had a pretty good fix on where he was.

“We got up and started the assault again. We went about 10 yards and the whole thing blew up in our faces. The enemy had infiltrated between Herrick’s platoon and us and now were starting to come in behind us.

“I saw Platoon Sgt. (Leroy) Williams shoot into a tree; a weapon fell but the body didn’t. It was roped into the treetop. There were at least 15 of our men wounded and dead, out front.

“At this point our medic, Spc. 5 Calvin Bourknight, rose from cover, ran over and began administering aid to the wounded. He succeeded in treating four or five soldiers, always placing his body between the continuous sheets of heavy fire and the man he was treating. Bourknight was mortally wounded less than five minutes after he began performing his stunningly heroic acts.”

Bourknight, 24, was from Washington D.C. Yes, I think we come from pretty good stock. NCOs, the Backbone of the Army.

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# Black Hawks make PLDC memorable for Army Space sergeant

By Sgt. Christopher Foster  
Unit Reporter

## Commentary

**FORT MEADE, Md.** — I recently attended a Primary Leadership Development Course (PLDC) given at Fort Campbell, Ky. My thoughts before I got there were far from positive. I was sure I was not going to enjoy the heat, which I'd heard was so much worse than what I was used to at Fort Meade, where I'm stationed with B Co., 1st Satellite Control Battalion, Army Space Command.

I also had a preconceived notion that the academy was going to be boring and full of uninteresting lesson plans. I found out from day one that this was not going to be the case. The climate the whole time I was there was comfortable, and the small group leaders made sure each day was the opposite of boring.

The material taught was very informative, and the way the instructors taught the lesson plans kept our attention. My small group leaders were some of the best instructors I have ever been taught by. They took pride in the fact that they were teaching future leaders and took the time to explain any questions we had. We learned about all sorts of leadership-related issues such as battle-focused training, land navigation, physical training, drill and ceremony, and the wear and appearance of the military uniform.

Not all the time at PLDC was spent in a

classroom environment. We spent some of it out in the field for land navigation and tactical training.

My favorite part of the field exercise was a ride in the Black Hawk helicopters. We rode out to the field in the Black Hawks and did false insertions on our way to the site.

We first prepared for the ride by training on quick entry into and exit from the Black Hawks. This class included safety, of course, and lessons on how the helicopters maneuver, how all the "birds" approach the landing site in staggered formation, and how we were to assemble in the cabin.

This was my first experience riding in a helicopter and I expected the trip to the field site to be similar to an amusement park ride. Nothing could have been further from the truth.

The ride was smooth and the view was spectacular. We rode just above the treetops with the doors wide open and the wind rushing in. After a 10-minute ride we landed on a site we were told was a false site in a hostile area. We needed to go airborne again; this was the false insertion. Once airborne, we took another five-minute ride to the field site where we exited the chopper and assumed a prone position until the

helicopters left, blades whipping the air above us. What a trip!

The toughest part of attending PLDC was being away from my wife and daughter for a month, but I found that keeping a positive attitude helped to keep the whole experience exciting.

I guess the moral of the story is — keep an open mind and a positive attitude. I advise all future students of PLDC to look forward to the experience, as they can learn a lot from the school. I will always remember my experience at PLDC and the training I received there.

I'm proud to have graduated from such a fine academy, and even prouder to have joined the ranks of the noncommissioned officers in this great Army.



(Photo by Sgt. Christopher Foster, B Co., 1st Satellite Control Battalion)

Soldiers attending PLDC at Fort Campbell, Ky., move out on a field exercise after disembarking from a Black Hawk.

## What We Think

### The Eagle asks:

**As we approach the first anniversary of the tragic events of Sept. 11, how have your lives changed?**



Adele Jones, budget analyst, Resource Management Office, Arlington, Va.

"Since Sept. 11, 2001, I seem to always be in a rush. Security check points all over the Washington, D.C. metropolitan area have a large impact on my travel to work, church and entertainment. I have to leave earlier than normal to arrive at my destination just in time. I will continue to adjust and thank God for all his blessings."

"Since the Sept. 11 terrorist attacks, my life has changed both professionally and personally. It has made me more aware of my surroundings at work and outside of work. It has also changed my life at home with my children. I've learned that you can't take anything for granted. Things and loved ones can be taken away at any time."



Sgt. Chris Hansen, personnel and administration NCO, U.S. Army, Kwajalein Atoll

"It has made me more aware of my surroundings. I tend to pay more attention to what is going on around me and what everyone is doing. When traveling I pay extra attention to my carry-on and where my family is, especially my son."

Sgt. Elizabeth Loreda-Flores, postal NCO, U.S. Army Kwajalein Atoll (Photo not available)

"The events that occurred Sept. 11 had a great impact on me in many ways. I felt helpless not being able to assist in the search and rescue of our fallen comrades. This event has led us as military members to be sent in harm's way, to preserve the safety of our fellow Americans. To be honest, most of us are scared in the sense that we don't want to let down those who depend on us. As a military member, I feel more secure when I'm on base or flying home on a military plane. I fear for the safety of my own family and I think that's what makes every military member go that extra step. I look at my husband and my children and I thank God for each and every day that He gives me to be with them. Yes, the impact was great and it hit home really hard. We take for granted the little things in life and our own families. It took that tragic incident Sept. 11 to open everyone's eyes. As we come to the anniversary of that day, I feel remorse and hope that one day the wounds will heal, in everyone's life."



Alesia Barger, management assistant, Personnel Office, Huntsville, Ala.

"The love of this country for me is so much stronger than it has ever been. The appreciation for our men and women in uniform and the sacrifices and dangers they face on a daily basis (military, police, fire, etc.) is so much greater."



Billette Kimbrough, office automation assistant, Sensors and Analysis Division, Battle Lab, Huntsville, Ala.



Sgt. 1st Class Travis Tikka, provost NCO, U.S. Army Kwajalein Atoll

"I miss my family more than ever and wish I could spend more time with them. The reality of how cruel this world is really hit me and I am proud to be part of such a great Army."

## Satellite crew up to challenge of new crew certification process

By Spc. Justin Miles  
Unit Reporter

**CAMP ROBERTS, Calif.** — Like a gun crew firing its artillery piece, it's the responsibility of a satellite operations crew to ensure that quality communications are available to the warfighter at all times.

Firing pins, flashes of light and the thunderous explosions of artillery pieces are replaced by the deep humming sound of fans cooling highly sophisticated equipment manned by the smartest soldiers in the Army. And what's more lethal than one of the smartest soldiers in the Army? Eight of them working together as a crew to control communications over three satellites.

D Company, 1<sup>st</sup> Satellite Control Battalion, recently verified that lethality by demonstrating a brand new crew certification process for a distinguished visitor, the Deputy Commanding General of Army Space Command and Space and Missile Defense Command. Brig. Gen. Richard V. Geraci observed the certification process during a recent tour.

The new crew certification program is in response to an Army Space Command directive to develop a crew certification process. Previously, the 1st SATCON certified an individual controller on the six different positions within the Operations Center. The individual certification procedure combined site-specific on-the-job

training, a general knowledge test, a written position test and over-the-shoulder tests to qualify the individual controller. The team-oriented crew certification testing method was implemented in May 2002.

Cpl. John Priebe, as Senior Defense Satellite Communications System Controller, is responsible for all actions that occur during his shift, leading and training his soldiers in the specifics of satellite network control.

The crew certification process consists of a series of 14 tasks that are performed by the crew and evaluated by operations analyst Steve Wikoff.

"This process is good for the Operations Centers because it ties in the existing Training and Evaluation Program and Mission Essential Task List individual training, with actions that are performed by and involve the entire shift of six to eight soldiers," said Wikoff.

The tasks range from updating databases to identifying, resolving and reporting satellite anomalies.

Capt. Philip Dawson, D Company commander, added, "Crew cert will benefit training within the company by providing a forum to focus on collective tasks and

to augment the individual tasks already being trained and evaluated."

Inherent in its name, crew certification focuses on teamwork between soldiers highly skilled in their individual tasks. One soldier may be assigned to control the network for tactical users and another the network for strategic users, but every soldier has to work together to effectively support the warfighter.

Many of the newer soldiers expressed that the program has helped them. "It's good to train formally on tasks that we perform so often that they become second nature," said Spc. Michael Griffin.



(Photo by Spc. Justin Miles, D Co., 1st Satellite Control Battalion)

Cpl. John Priebe, D. Co., 1st SATCON Battalion Senior Defense Satellite Communications System Controller, observes and evaluates fellow D Co. soldiers Pfc. George Maille and Spc. Clinton Spencer as they perform a crew certification task.

## Brown

Continued from Page 1

April attended the ceremony. Another daughter is in New York.

A number of American and Marshallese dignitaries also paid their respects to the former and new commanders.

Lt. Gen. Joseph M. Cosumano Jr., commanding general of the U.S. Army Space and Missile Defense Command, lauded the work accomplished by both Wrenn and his wife, from humanitarian efforts on Ebeye to constructing a blueprint for the future of the Reagan Test Site. He presented them with honors before the official passing of the colors.

After the change of command, Cosumano said, "This command team has done its lap and run it well.

"This business about change of command is about continuity, and the baton is passed to the Browns ... What a great command team you're receiving," U.S. Ambassador to the Republic of the Marshall Islands (RMI) Mike Senko and RMI Foreign Minister Gerald Zackios also added words of farewell to the Wrenns and encouragement to the Browns.

"You have a hard act to follow," Zackios told Brown, pledging the "full support and cooperation" of the RMI as the new commander takes charge during a major transition of RMI-U.S. relations, while parts of the Compact of Free Association are renegotiated between the two nations.

Added Senko, "One thing I know about incoming commander Brown is that he is brave and confident ... because it is not easy to step up and follow an act like Col. Wrenn. I know he and his family are looking forward to that challenge.

"As the military says, 'He has the right stuff,'" he added.



Col. Jerry Brown, incoming USAKA commander, hands the flag to SMDC Command Sgt. Maj. Wilbur Adams Jr. for safekeeping as Col. Curtis Wrenn, outgoing commander, left, and Lt. Gen. Joseph Cosumano Jr., right, commanding general of U.S. Army Space and Missile Defense Command, look on.

USAKA's new commander, Col. Jerry Brown addresses the audience following the ceremony.



(Photos by Peter Rejcek)

## Civilian News

### OPM Web site helps people with disabilities find jobs, information

**WASHINGTON, D.C.** — In support of President Bush's new Freedom Initiative that is intended to integrate people with disabilities into the national work force, the U.S. Office of Personnel Management has launched a Web site aimed at making the search for federal jobs easier for men and women with disabilities.

The site, [www.opm.gov/disability](http://www.opm.gov/disability), offers information in clear and understandable language on federal opportunities, accommodation issues, benefits and telecommuting. The Web site also contains an E-learning training module for managers on reasonable accommodation, as well as information on laws and executive orders on disability employment.

### House passes civilian federal employee pay raise

The House has approved a 4.1 percent pay increase for federal civilian employees for FY 2003. The increase was included in the Treasury-Postal Appropriations bill, and provides employees with the same percentage raise as members of the military. The Bush administration had proposed a 2.6 percent raise for civilian workers in 2003. The Senate Appropriations Committee earlier in the month approved a 4.1 percent pay raise for civilian employees in its version of the bill. The full Senate has not yet voted on the bill.

President Colleen M. Kelley of the National Treasury Employees Union (NTEU) said the House's passage of the measure "is important recognition" that higher pay is a critical component in making government service competitive with the private sector. She additionally commended the House for including in the Treasury Appropriations bill an amendment prohibiting the use of numeric quotas to contract out federal jobs.

### Federal employees vital to homeland security

**WASHINGTON, D.C. (American Forces Press Service)** — "Public service in America today is not just another job. It is an important act of citizenship," President Bush told more than 3,000 government workers who filled Constitution Hall on July 10. The president talked about their vital role in protecting America. He commended them for their sacrifice and dedication and for using their time, talent and energy to work for others.

Bush called on the government workers to support his plans for a new Cabinet-level Department of Homeland Security. More than 100 federal agencies and organizations have a role in homeland security, the president said, and that means "that despite everybody's best intentions, hard work and sacrifice," there is a dispersal of authority, a lack of accountability and a needless drain on critical resources. Bush said a Department of Homeland Security would unify federal efforts and avoid administrative overlap and duplication. Creation of the department would be the most significant reorganization of government since 1947, he said.

One of the new agency's primary tasks would be controlling U.S. borders to prevent terrorists and weapons from entering the country. "We need to know who's coming in, why they're coming in, and if they're leaving when they're supposed to," Bush said. "And if they're not leaving, we need to know why."

He called upon the federal employees' continued sense of duty to support plans for the new department. "There's no doubt in my mind that we'll do what's necessary to protect America," he said.

"What's important for the American people to know is that our public servants are working longer hours and working harder and working smarter to defend the American people," Bush said. "We will win the war on terror — there's no doubt in my mind — thanks to the heroism of our fighting troops, and thanks to the patriotism of our people and thanks to the hard work of government officials here."

Public service, he added, "is a way to fulfill our obligation to those who have gone before us, to those who will follow us and to those who have sacrificed and died for us. That's how I view your job and my job."

## Military News

### Army educates forces on anthrax vaccine

**WASHINGTON, D.C. (Army News Service)** — When the Department of Defense announced resumption of the anthrax vaccine in June, the Army was ready to take the lead in educating forces on the vaccine's importance.

The Anthrax Vaccine Immunization Program (AVIP) Agency is an Army-led organization in charge of providing all of DoD — including all military services — with educational tools to increase community knowledge on the anthrax vaccine.

"We're not just saying, roll up your sleeves and get a shot," said Col. Randy Randolph, the AVIP director. "We want them to know that the vaccine is safe and effective protection against all forms of anthrax, including inhalation, which is the most deadly form. It also provides around-the-clock protection against the disease."

Individuals who are required to get the series of six shots, and the annual booster, should learn about the vaccine at their local level.

A commander's tool kit that gives supervisors an overview of the policy, frequently asked questions and answers is available at [www.anthrax.mil](http://www.anthrax.mil). A brochure with a toll free number, 1-877-GET-VACC is also available.

### Army computer game free for downloading

**WASHINGTON, D.C. (Army News Service)** — From home or elsewhere, the average American can now defend the Alaskan Pipeline, experience basic training and be a part of the 172nd Separate Infantry Brigade — with the help of the Army's new computer game, "America's Army."

Since its launch July 4, more than one million Americans have downloaded the free game from the Web site [www.americasarmy.com](http://www.americasarmy.com).

"America's Army" actually includes two separate games: "Soldiers," a role-playing character-builder based on the Army's values, and "Operations," a first-person shooter game that takes the player on missions to attack enemies.

"It's a great game because it allows people to see what it's like to be in the Army and on one of our many operations," said Maj. Chris Chambers, deputy director of the Office of Economic and Manpower Analysis at the U.S. Army Military Academy in West Point, N.Y. His office came up with the idea for the game.

The idea is to give young men and women a taste of battlefield tactics and soldier professionalism, Chambers said. The game is online, so players can log onto the [www.americasarmy.com](http://www.americasarmy.com) and use team strategies to achieve their objectives.

### DoD announces deadline extension for updating TRICARE For Life eligibility

The Department of Defense (DoD) has announced that the deadline for beneficiaries to update their eligibility in the Defense Enrollment Eligibility Reporting System (DEERS) and remain eligible for TRICARE For Life is extended until Sept. 1, 2002. After Sept. 1, 2002, claims for beneficiaries who are not shown as eligible in DEERS will be denied and will no longer be sent electronically from Medicare to TRICARE for payment. These beneficiaries will be responsible for paying for services that Medicare does not cover.

Claims received for beneficiaries with expired eligibility will continue to be denied until their eligibility information is updated. By law, DoD must recoup (take back) payments made for ineligible persons.

TRICARE For Life beneficiaries who need to update or re-verify eligibility, or beneficiaries who have received an Explanation of Benefits (EOB) stating that they need to update their eligibility, should contact the nearest ID card facility for assistance. The Web site developed to help beneficiaries locate the three nearest ID card facilities is [www.dmdc.osd.mil/rsl/](http://www.dmdc.osd.mil/rsl/). Beneficiaries also may call the DoD Benefits Reverification Telephone Center at 1-800-361-2620.

For more information about TRICARE For Life, visit the TRICARE Web site at [www.tricare.osd.mil/tfl](http://www.tricare.osd.mil/tfl) or call the Worldwide TRICARE Information Center toll-free at 1-877-DOD-LIFE (1-877-363-5433).

## Federal Long Term Care Insurance Program under way

**O**pen season for the Federal Long Term Care Insurance Program (FLTCIP) is now through Dec. 31.

During open season, active and retired federal employees and military personnel, along with certain family members, can apply for long term care insurance coverage under the FLTCIP.

Long term care insurance pays for care due to a chronic illness or disability,

such as Alzheimer's Disease. Policies usually cover care received in a variety of settings, such as a nursing home, assisted living facility or at-home care.

Be aware that those who apply for the program must pass "underwriting" — meaning they must answer health-related questions — before they will be covered.

In addition, the Office of Personnel Management (OPM), which is responsible for the program, has emphasized that

anyone who needs long term care services now will not be eligible for the program.

The individual insured under the FLTCIP is responsible for paying 100 percent of the cost. Unlike the Federal Employees Health Benefits Program (FEHBP), the government does not pay any share of the long term care insurance premiums.

The company administering the program under a contract with OPM is called "Long Term Care Partners." Long Term

Care Partners is made up of two insurance companies: John Hancock and Metropolitan Life.

Training for the Long Term Care Insurance Program is available on the OPM Web site at <http://www.opm.gov/insure/ltc/broadcasts/index.htm>.

In addition, training on the program is available through local personnel offices. For more information, click on <http://www.ltcfeds.com>.

## Is long term care insurance right for you?

**T**he Federal Long Term Care Insurance open season is under way through Dec. 31. To help you decide if the insurance is right for you, consider the following:

### Did you know?

1. Did you know that most long term care is not skilled care? Only 18 percent of long term care is nursing home care. Most long term care is home care, home health care, adult day care, assisted living facility care, etc.

2. Did you know that your health plan probably doesn't cover long term care services? Take a look at your health plan brochure. Chances are there are specific exclusions for nursing home care and extended or chronic care provided in the home. If you're enrolled in a Federal Employees Health Benefits (FEHB) plan, take a look at the "not covered" blocks in sections 5(a) and 5(c) of your FEHB plan brochure. If you're like most people, the lack of coverage will surprise you.

3. Did you know that long term care is not just for senior citizens? More than 40 percent of people who are receiving long term care are under age 65. They may need continuing care due to a serious accident, a stroke, a brain tumor, multiple sclerosis, Parkinson's disease, etc. You can't always prevent your need for long term care, but you can protect your assets, preserve your choice of care and reduce the burden on your family by buying long term care insurance.

4. Did you know that long term care services are expensive? The cost of one year in a nursing home can exceed \$50,000 (and that's just room and board. It doesn't include the cost of drugs, incidental supplies, etc.). The cost of home care for only three 8-hour shifts per week can easily exceed \$20,000 a year. Both of these costs can be significantly higher in high-cost areas. And that's before inflation! Paying for long term care can easily exhaust your savings. Buying long term care insurance can protect your savings.

5. Medicaid and Long Term Care. Medicaid is a state-based program supplemented by federal funds that acts as a safety net to provide health services to the poor and impoverished. Medicaid covers long term care services and might cover you if you meet your state's poverty criteria and receive care that meets your state's guidelines. Usually this means

expending all but \$2,000 of your assets and savings (except for perhaps your house and your car). It also means receiving care from a limited number of state-approved caregivers (mostly institutions like nursing homes) that are willing to accept Medicaid's payments. People that you wouldn't consider poor sometimes qualify for Medicaid by "playing the game" and "beating the system," usually with legal help. States react with more rules.

If you don't have much in the way of assets and income, Medicaid is probably your best bet for long term care. If you can afford long term care insurance, want to control the type and location of care that you receive, and aren't interested in (or don't want to count on) beating the system, the Federal Long Term Care Insurance Program deserves your attention. Be on the lookout for our materials. Be in control of your life and how you live it!

6. Medicare and Long Term Care. Medicare is a federal health insurance program for people who are age 65 or older, some people with disabilities under age 65 and people with End-Stage Renal Disease (permanent kidney failure requiring dialysis or a transplant). Medicare will cover the first 100 days of care in a nursing home if: 1) you are receiving skilled care, and 2) you enter the nursing home immediately following a hospital stay of at least three days. There are some deductibles and copays (meaning you have to pay part of the cost). Medicare also covers limited home visits for skilled care.

It's very important to realize a few things about Medicare's coverage of long term care:

- most long term care is not skilled care.
- most long term care does not take place in a nursing home.
- most nursing home stays do not immediately follow a hospital stay.
- most people who require care in their home usually need more or different types of care than Medicare covers, and.
- most people won't start Medicare coverage until age 65.

So, don't count on Medicare to cover your probable long term care needs. Look for our materials about the new Federal Long Term Care Insurance Program. Be in control of your life and how you live it!

7. According to the American Council of Life Insurers, many owners of long term care insurance policies bought their policies to provide financial security in retirement, rather than simply to cover a potential health risk. How do you view longterm care?

8. Do your parents know what they'll do if one or both needs long term care? Do they have a plan or insurance to cover the expense? Would they tell you if they did? Maybe they're counting on you, but you don't know it. It's worth a thought, and a talk. Consider other relatives as well, such as parents-in-law, unmarried brothers and sisters, and, of course, yourself and your spouse. Qualified relatives will be able to apply for coverage under the Federal Long Term Care Insurance Program.

9. Did you know that one of the most common long term care scenarios is for wives to become the primary caregivers for their husbands, only to find that they lack a source of care when their own long term care needs arise? Spouses of federal employees and annuitants, and spouses of members and retired members of the uniformed services, are eligible to apply for coverage in the Federal Long Term Care Insurance Program in their own right, even if their spouses don't apply.

Be sure that your spouse is aware of the enrollment period, and that you both make an informed decision about your long term care insurance needs.

10. Did you know that 22 states allow either a deduction from your state taxes or a state tax credit for purchasing long term care insurance? Wonder why they allow these incentives? Because, for most people, buying long term care insurance is a good thing to do. State tax deductions and credits help encourage people to buy the insurance. Take a look and see if your state is one of the 22.

11. Did you know that it is relatively easy for a federal employee to figure out if he/she is eligible to apply for this program? If you are a federal employee and you're in a position that conveys eligibility to enroll in the Federal Employees Health Benefits Program (FEHB), then you are eligible to apply for enrollment in this program. It does not matter if you are actually enrolled in FEHB, only that you are eligible to enroll. And, if you have any doubts about your eligibility for FEHB, your human resources office can help you.

There are only two exceptions: D.C. government employees are not eligible to apply for enrollment in this program even if they are eligible for FEHB. And employees of the Tennessee Valley Authority are eligible to apply for enrollment in this program even if they are not eligible for FEHB. Of course, this "rule" doesn't apply to members of the uniformed services or others.

# Army Space Command facility relocates onto MacDill AFB

**By Mike Howard**  
**Army Space Command PAO**

**MACDILL AFB, Fla.** — U.S. Army Space Command made an important step onto MacDill Air Force Base and, in so doing, accomplished a 1997 vision for its efforts in helping combatant commands plan satellite communications.

With construction of a new building on the base complete, leaders in the command marked that step by joining the U.S. Army Corps of Engineers and the contractor responsible for the \$1.3 million construction in cutting the symbolic ribbon during a ceremony.

This will allow approximately 30 planners on the team operating the Regional Satellite-Communications Support Center - Continental United States to move from their Tampa leased building in the upcoming months. This will bring them closer to two of their customers: U.S. Special Operations Command and U.S. Central Command. In addition, the planners support U.S. Southern Command headquartered in Miami and U.S. Joint Forces Command in Norfolk, Va.

The satellite communications planners are a combined team from the Navy, Air Force, Army and Defense Information Systems Agency. Comparable elements in the U.S. Air Force and U.S. Navy provide similar control of the other satellites.

The Center is actually one of three worldwide that Army Space Command oversees providing the warfighters from all services and other Department of Defense users with a single point of contact for satellite communications expertise. There are also centers in Hawaii and Germany responsible to the Pacific Command and European Command, respectively.

Essentially, men and women manage, plan and coordinate the satellite communications resources needed. They help commanders with communications using four types of satellites: Extra High Frequency, Super High Frequency, Ultra High Frequency and commercial.

“With these three multi-service teams, we support all six of the regional combatant commands,” said Mike Winchester, Army Space Command’s deputy chief of staff for Communications and Electronics (G6). “In



(Photo by U.S. Air Force)

The ribbon is cut on the new \$1.3 million Regional SATCOM Support Center on MacDill Air Force Base, Fla. Doing the honors are left to right: Hugh Mason, director of Directorate of Public Works; Wilson Small, RSSC – CONUS director; Bruce Hintz from the U.S. Army Corps of Engineers; Brig. Gen. Richard V. Geraci, deputy commanding general for Army Space Command and deputy commanding general for operations, U.S. Army Space and Missile Defense Command; and Michael Winchester, director of SATCOM Support Center.

moving this team here in Tampa onto MacDill, it brings the focus onto two of our primary customers here. Twenty minutes can be a long way when there’s an issue that needs to be resolved.”

“We have wanted to get them onto MacDill since 1997 when Army Space first moved the Extra High Frequency Cell from Alexandria, Va., to Tampa in order to support Central Command,” said Hugh Mason, the director of public works for the command. “But there weren’t any buildings available. We were able to get military construction money in 1999 and, once we did that, MacDill officials provided this land for the construction site.

“With the Army Corps of Engineers, we designed the building in 2000 and the contractor began construction in 2001. This new building’s square footage — approximately 5,500 — doubles the usable space from what was being leased. It is also designed for the Center’s current needs, bringing with it the security of

being on a military installation.”

“What we’ll actually be doing for our customers in the new building is really what we’ve been doing for some time now,” said Wilson Small, director of the Center.

“In 1989, we established the Regional Satellite Support Center in Arlington, Va. At the time, ‘communications’ wasn’t part of our title, but we worked with the joint staff in coordinating use of the Super High Frequency satellites.”

Small was part of that team as one of its communications planners.

“In 1997, we began working with the Extra High Frequency satellites here in Tampa. We closed up in Virginia and moved planning for both types of satellites to Tampa in 1999. Since then, all the Centers added the two other types of satellites to the list.

“Now, commanders don’t have to worry about what kind of satellite they’ll need. They just come to us and we’ll get them on the right one for their needs.”



(Photo by Becky Proaps)

## Learning to get along with others

Leondra Robinson, an information management specialist in the Plans and Operations Support Division, presents the results of her group’s discussion during a Consideration of Others (CO2) training session held in Huntsville last month. Carol Barclay, Marilyn Williams, Alesia Barger, Rhonda Norris, Alan Mitchell, Christella Green, Steve McKay, Beltha Hinton, John Brannen and Robinson participated in this command-sponsored program. CO2 is designed to create, maintain and sustain an environment of respect and dignity among soldiers and civilians. The program requires leaders to conduct classes in small groups using an interactive format instead of a lecture format. For more information about CO2, visit the Web at [www.odcsper.army.mil](http://www.odcsper.army.mil) and click on Human Resources.

## Army astronaut encourages children to reach for stars

By Spc. Stacy Harris

**FORT CARSON, Colo.** — Being an astronaut is a job many young children dream of doing.

Army Lt. Col. (P) Nancy Currie, an active-duty astronaut with U.S. Army Space Command and U.S. Army Space and Missile Defense Command, talked to children at the Fort Carson Youth Center July 10 about a job that may seem to be in a different galaxy, but is really within reach.

"I'm a short kid from the farmlands of Ohio," Currie said. "If I can do it (become an astronaut), any of these kids can do it too."

Currie has been to space four times. Her most recent mission was five months ago to repair the Hubble Space Telescope. During her visit to Fort Carson, Currie showed a video of that mission, talked about her job and space, and then answered questions from the audience.

When going to space, Currie said the most exciting part is the launch.

"When we launch into space, we go very, very fast," she said. "In eight and a half minutes, we are in space and at zero gravity."

The mission is only about 200 to 300 miles above Earth, which is called low-orbit Earth, Currie explained, but, to get to a planet like Mars, it could take about eight months.

During the mission, Currie's job was to control the shuttle's robotic arm. Another part of the crew's mission included delivering two powerful solar arrays, which meant crewmembers needed to suit up and go outside the shuttle.

"It's very important to get suited up properly," Currie said. "Space can be as hot as 200 degrees or (as cold as) negative



(Photo by Sgt. 1<sup>st</sup> Class Dennis Beebe)

Lt. Col. (P) Nancy Currie, left, active-duty astronaut, signs autographs for children at the youth center.

200 degrees."

Currie explained how the suit uses water as a way to keep the body at the appropriate temperature, but the bulkiness of the suit makes it difficult to work outside the shuttle.

She stressed that while working outside, everything needed to be tethered to the shuttle so that if equipment or tools got dropped; they wouldn't be lost in space. While Currie may not have been outside the shuttle, she told the children that it's a weird feeling to look out the windows and see her buddies outside.

With all the crewmembers, the space suits and other equipment, on

board, Currie told the children what life on a shuttle is like — how they ate, exercised and even how they used the bathroom.

"You can eat your dinner upside down if you want," Currie said.

Combining all four of her missions, Currie has spent 1,000 hours total in space.

"I would like to go back to space," she said. "But I've done it four times and there are other astronauts who have gone zero times."

After the presentation, Currie handed out autographed pictures to the audience, encouraging them to "reach for the stars."

## Program introduces student to civil service

*Intern considering government when ready for work force*

By Peter Rejcek  
Kwajalein Hourglass

**M**ary Simmons could be back at North Carolina Agricultural and Technical State University this summer, working with her professor on projects for graduate school.



Simmons

Instead, the newly degreed engineer is spending a couple of months as the youngest engineer at the target resolution and discrimina-

tion experiment (TRADEX) before pursuing her master's degree in electrical engineering. TRADEX is on Roi-Namur island, in the Kwajalein Atoll, Marshall Islands.

"Experience is very important," Simmons said. The engineering intern is the

first at TRADEX, according to Denise Comeau, the KREMS Digital Section leader.

Comeau said she's had high school and college students as interns, but never a fully degreed one.

"She's jumped in with both feet," Comeau said. "I'm going to go back to management and tell them to give me more."

That's exactly the sort of enthusiasm the U.S. Army Kwajalein Atoll (USAKA) command and its contractor partner, Raytheon, were looking for when they decided to bring on two interns for the summer. Simmons was hired through Raytheon, while Eric Bucklin, a junior at the University of Alabama in Huntsville, was found by USAKA. Bucklin was featured in the June issue of *The Eagle*.

The intern program is intended to be a continuing program, according to Raytheon's site manager John Wallace. The program was developed in cooperation with Advancing Minorities' Interests in Engineering (AMIE). Raytheon, like other corporations, is a partner with AMIE, but our program is separate from the corporate affiliation, Wallace said.

"Our program was in response to Col. Curtis Wrenn's

initiative to introduce minority engineering students to Kwajalein," he explained.

Simmons said she found out about the job through her school, and that she normally would have been intimidated to apply for such a position, but when she read the application, she knew she fit the job perfectly.

"I was very interested," she said.

Simmons is making the most of the opportunity. She's working on two projects at TRADEX, one of which is archiving schematic designs. She's even taking computer classes, absorbing as much information as possible before her stint ends in August.

"I'm going to keep her busy," Comeau said. "She's been meeting with a lot of people. It's good for her to see different applications in the same field." She's met with Wallace, former USAKA commander Wrenn and others.

"The program provides students a valuable work experience in their chosen field that will make their remaining education much more meaningful," Wallace explained. "In some instances, students learn what they enjoy as well as what they don't like and can alter their study

program."

LuAnne Fantasia, USAKA Public Affairs officer, said the spirit behind the co-op is to introduce students to civil service and government contracting.

"In the next five to 10 years, about half the civil service work force will be eligible for retirement," she explained. "In some career fields, we haven't done a very good job of grooming and growing a younger population to fill technical and critical jobs. But, it's better to start now than never."

The exposure has not only affected Simmons' educational choices, but also how she might further her education.

Simmons had planned to return to the school in the fall — and still may — but if a full-time job opportunity becomes available here, she would take it and continue her schooling while she worked.

"I've learned a lot of things I didn't learn in school about the work force and looking for employment," she said.

Said Wallace, "In supporting the program, we are making an investment in future engineers. We hope these students will look favorably at Raytheon as a future employer and perhaps return to Kwajalein."

# Theater Missile Warning Company gets new commander

By Sharon L. Hartman  
Army Space Command

**COLORADO SPRINGS, Colo.** — Army Space Command's 1st Space Battalion Theater Missile Warning Company held a change of command ceremony July 12.

The ceremony hailed incoming commander Maj. Shelly Volkwein as she assumed command from

outgoing commander Maj. Jerome Driscoll.

Lt. Col. Scott Netherland, commander, 1st Space Battalion, hosted the ceremony and commented on the accomplishments of Driscoll's command.

"Maj. Driscoll has been an excellent company commander for the Theater Missile Warning Company. He took command of this company 21

months ago on very short notice, but he hit the ground running. Since then, they have provided early warning of real-world missile events worldwide. They've performed countless theater event system weekly exercises, and they have deployed a Joint Tactical Ground Station to Southwest Asia," said Netherland.

Although Driscoll's command has ended, the

battalion is not losing him as his next assignment is as the battalion's Operations officer. Driscoll commented on the hurdles he overcame during his tenure.

"It was an entirely new line of work. My background is field artillery, and missile warning is something completely different, so it was extremely challenging.

"These soldiers are the most intelligent soldiers I've ever had the opportunity to work with. It's almost as if they were hand selected for this job. They did an awesome job, and it was great

working with them."

Netherland made a point of introducing Volkwein as no newcomer to Army Space.

"Maj. Volkwein is a veteran of the command with a wealth of experience. Her bio notes that she has had three previous company commands. We're hoping she'll finally get it right the fourth time," said Netherland, laughing.

"With all kidding aside, we selected Maj. Volkwein because she is the right officer for the job. Her combined experience as both an air defense officer and a space operations officer uniquely fit her to command a space company."

"I'm truly honored to be assuming the responsibilities as company commander and look forward to building on the teamwork and excellent reputation you have," said Volkwein.

The ceremony concluded with her heartfelt thanks to the outgoing commander for excellent transitional assistance.

"I'm really glad you're staying in the battalion, because I'm sure I'll have many more questions I need answers to!"



(Photo by Dennis Plummer)

Lt. Col. Scott F. Netherland, 1st Space Battalion commander, passes the Theater Missile Warning Company guidon and command to incoming Maj. Shelley L. Volkwein.

## SMDC 2002 planning and training conference

# Family Action Plan delegates 'Soar Beyond Limits for Army Families'

By Rhonda K. Paige  
Arlington, Va.

**L**oyalty, Duty, Respect, Selfless Service, Honor, Integrity and Personal Courage — the seven formal Army Values that soldiers live, work and adhere to. Just as important as these seven, is an eighth value, not formally listed, but just as vital to the success of soldiers — FAMILY.

Taking care of Army families, was the focus of the third annual U.S. Army Space and Missile Defense Command's (SMDC) Army Family Action Plan (AFAP) Planning and Training Conference, Aug. 13-16 at the Crystal City Marriott Hotel in Arlington, Va.

The theme for the conference, "Soaring Beyond Our Limits," is indicative of why SMDC's AFAP program is recognized Army-wide as a model for all Army AFAP Programs.

Planning for this year's conference started immediately after the conclusion of the 2001 conference. "Planning, coordinating and conducting a conference of this scope on a global scale is always challenging," said Portia Davidson, SMDC, chief, Community and Family Support Division.

Conference agenda, meetings and delegate working groups focused on three primary goals:

- Identifying and prioritizing soldier, family and civilian issues that are critical to SMDC and the Army
- Providing training that will improve SMDC AFAP programs at local levels
- Enhancing strategic communication and marketing of the AFAP program

"My hope is that the conference provides a mechanism that empowers the SMDC community to get involved with its quality of life, raise issues of concern and

develop effective solutions for improvement," said Davidson.

"The delegates should leave with a better understanding of the AFAP process and the Army as a whole, and a feeling of accomplishment for their hard work that will benefit and change lives in the long term," said Davidson.

In addition to the working groups, the conference featured a host of other activities and keynote speakers. In commemorative tribute to victims of the Sept. 11 tragedies, Lt. Gen. Joseph M. Cosumano Jr., commanding general, SMDC, presented four of the surviving family members of the attack on the Pentagon with commemorative memory plaques created by Huntsville volunteers Karen Long, Charlie Dickerson and Monica Westbrook. Lt. Col. Robert Stewart, Deputy Chief of Staff for Logistics; and Maj. Harriet Jackson, Headquarters, Department of the Army Casualty Assistance Officer, also provided support for the plaque project and arrangements for the surviving families to attend the conference.

"The events of 9-11 captured the hearts and spirit of all units in SMDC," said Davidson.

Volunteers throughout the command helped support the military families involved in OPERATION ENDURING FREEDOM. In addition to the plaque presentation, Marietta Dantonio-Fryer, Professor of Art, Cheney University of Pennsylvania, one of the nation's leading experts in the art field, directed teen conference attendees in painting two canvas 9-11 commemorative art projects for presentation to the Secretary of the Army Thomas White, during the post-conference report-out session. The plaque and art projects hallmark SMDC's efforts to commemorate the events of Sept. 11 and

pay tribute to the victims of the tragedy," said Davidson.

Opening ceremonies for the conference featured the 3rd U.S. Infantry (The Old Guard) Army Color Guard. Keynote speakers and dignitaries included The Honorable Thomas E. White, Secretary, United States Army; Lt. Gen. Joseph M. Cosumano Jr., commanding general, SMDC; Sgt. Maj. Jack Tilley, Sergeant Major of the Army; Command Sgt. Maj. Wilbur V. Adams Jr., command sergeant major, SMDC; Brig. Gen. Steven Schook, director of Human Resource Policy, Headquarters, Department of the Army; Sandra K. Vlcek, Army Family Action Plan program manager, U.S. Army Community and Family Support Center; and Patricia H. Brooks, Army Family Action Plan issue manager, U.S. Army Community and Family Support Center.

Conference attendees had the opportunity to visit informational exhibits set up in the foyer of the hotel. Scheduled exhibitors included Association of the U.S. Army, American Logistics Association, Army and Air Force Exchange Service-Fort Belvoir, Charles E. Smith Corporate Living, Army Community Alumni Program, National Military Family Association, Armed Services YMCA of the USA, Points of Light Foundation - Family Matters Project, Office of the Army Surgeon General - TRICARE, Military Family Resource Center, Strategic Voice Poll Technology, International Child Art Foundation, Military Living Corporation, and Pioneer Services - The Military Solution Corporation.

For more information on the 2002 SMDC AFAP conference, call (703) 607-2605/4336, or visit the Internet at: <http://www.smdc.army.mil/FamilyPrograms/Index.html>

# Millennium Challenge 02

## *Largest military experiment tests transformation theories*

By Jim Garamone  
American Forces Press Service

WASHINGTON, D.C. — Combat is the wrong place to find out your theories of warfare don't work.

The U.S. Joint Forces Command tested U.S. military transformation theories by conducting the largest, most complex military experiment in history. Called MILLENNIUM CHALLENGE 2002, the experiment combined live forces with simulation to test the theories, equipment and doctrine U.S. forces will use in the future.

The experiment used 13,500 people stretched across the United States in nine live force-training locations and 17 simulation locations, said Army Gen. William "Buck" Kernan, commander of U.S. Joint Forces Command in Norfolk, Va. It used 50 models and simulation systems to test U.S. military effectiveness, he said.

The experiment started July 24 and ran through Aug. 15. Joint Forces Command and the services have been planning two years for the experiment.

The Defense Department and Congress will use MILLENNIUM CHALLENGE data to judge the effectiveness of the force and progress in transforming the military to meet the threats of the 21st century.

Kernan said MILLENNIUM CHALLENGE will help determine the extent to which U.S. forces are able to establish and maintain knowledge superiority. It also tested the military's ability to assure access to and throughout the battlespace, to leverage all national elements of power and to sustain deployed forces as they conduct operations.

He stressed the experiment will cover the full range of military operations. MILLENNIUM CHALLENGE 2002's scenario takes place in 2007. An adversary had the potential to escalate a high-end, small-scale regional conflict into a major theater war. Most of the live action occurred on U.S. training ranges in the Southwest.

The experiment tested four strategic concepts: effects-based operations, operational net assessment, standing joint task force headquarters and the joint interagency coordination group, he said.

The bottom line, Kernan continued, is that the U.S. military and other government agencies should "know as much about our adversary as possible — more than he knows about himself — no matter who that adversary may be."

This knowledge would allow the United States to shut down an adversary quickly and effectively with the least amount of damage and loss of life, he said.

"We are developing a force capable of attacking multiple targets from many different angles," he said. "(Adversaries will know) that we will have the will and the ability to operate more rapidly and decisively than we've ever had before."

Lt. Gen. B.B. Bell, commander of the Army's III Corps at Fort Hood, Texas, was the joint task force commander. The XVIII Airborne Corps of Fort Bragg, N.C., was to have been the joint task force, but it is serving in Afghanistan. Kernan said Bell

and his staff geared up for the experiment in just two weeks thanks to Joint Forces Command's standing joint task force headquarters — an expert team that maintains a kind of "shadow headquarters" for such contingencies.

Kernan said the experiment would test the U.S. government's ability to be "proactive in any crisis and not just react after the fact." The inclusion of officials from the State and Energy departments, the CIA and the U.S. Agency for International Development, he said, is recognition that the United States and its allies may not be able to react to attacks solely with military power.

"We need to be smarter and quicker, use our guile and leverage information technology to get inside the enemy's decision process and affect the operation," he said.

Kernan said MILLENNIUM CHALLENGE was solely a U.S. experiment, but some information will be shared with allies.

"It's important we go down the same track on modernization," he said. "We may be moving faster than others, but nonetheless if we can prescribe the standards and protocols ahead of time, we can ensure (allied) interoperability in tomorrow's battlespace. We don't want to compartmentalize the battlefield any more. We want to blur some of those lines."

He stressed MILLENNIUM CHALLENGE was an experiment, and he therefore expected some things being tested would fail. But he expects most will work.

He said that if the experiment points to breakthroughs in technology, processes or doctrine, then results will be shared with combatant commanders immediately. He

said the after-action review also will be quick. The report to Congress will be ready in the fall, said Joint Forces Command officials.

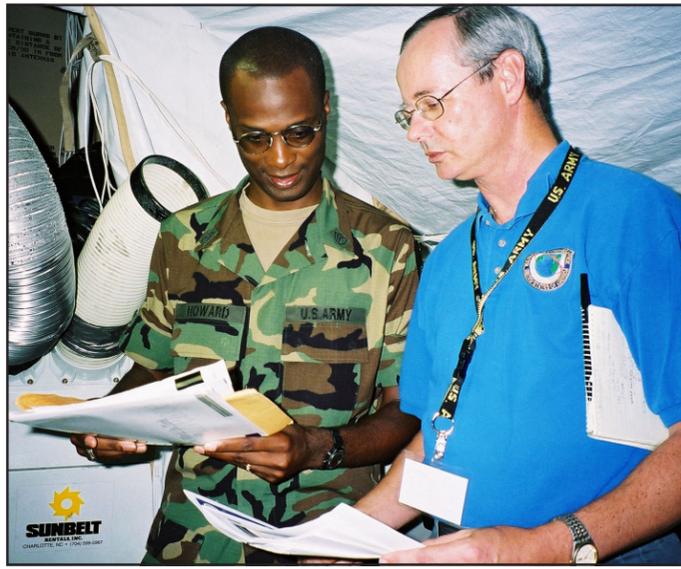
"The world is a very unfriendly place in many respects," Kernan said. "There are an awful lot of people out there who are willing to go to extraordinary lengths to deny us our way of life. But we have more asymmetrical capabilities than they've got threats. We've just got to use them differently."



Left view of the Space Support Element (SSE) being used for MILLENNIUM CHALLENGE 2002.



Lt. Col. Brad Baehr, officer in charge of the Space Support Element and senior Functional Area 40 officer for MILLENNIUM CHALLENGE 2002, briefs Army Space Corps General Brig. Gen. Richard V. Geraci on the status of the SSE at Fort Bragg, N.C., July 29. Capt. Tim Tubergen of the Battle



Top left: Spc. Sabrina Bannister, a network administrator assigned to the Space Support Element, right, discusses communications capabilities for MILLENNIUM CHALLENGE 02 with the team noncommissioned officer in charge, SSG Tony Simas.

Above: Staff Sgt. Akira Howard, left, the noncommissioned officer in charge of security for the Space Support Element, receives information about the MILLENNIUM CHALLENGE 02 experiment from Bruce Butts from the Operational Support Office of the National Reconnaissance Office in Washington, D.C.

Left: Sgt. Brandi Harris, a topographic analyst for the Spectral Operations Resource Center, adds important information such as elevation to raw satellite images. The enhanced images will provide decision-makers with needed information about the exercise area for MILLENNIUM CHALLENGE 02.



MILLENNIUM CHALLENGE 02 at Fort Bragg, N.C.



## ATEX02

Continued from page 1

This idea of a joint force having the rapid access of gathered and stored information to predict an adversary's actions would dissuade potential enemies and implement diplomatic solutions before events escalate to war.

"These initiatives will lay the groundwork for space operations in the future," said Kurt Reitingger, the Space and Missile Defense Battle Lab experiment manager. "The experiments we conducted here are key to the next several years of development. It's great that SMDC could play such an important role."

Overall, four of the 12 Army initiatives were sponsored by SMDC. The Tactical Space Initiative, which included the Broadcast Remote Imagery Technology Experiment (BRITE) and the Embedded National Tactical Receiver (ENTR), examined the composition of tactics, techniques and procedures of Space asset support to headquarters. TacSpace is an umbrella initiative that included numerous concepts and initiatives. The centerpiece of TacSpace is the Space Support Element, which include a team of six Space Operations soldiers. This team, which is designed to be an integral part of the future division staff, provides key input to the development of the supported unit's plan. The team uses the Space Support Element Toolset, which is a collection of hardware systems and software applications, to accomplish this mission.

Other initiatives included the Spectral Information Initiative which provided mobile, commercial, high-resolution satellite imagery; indirect field tasking of sensors; direct data downlink; and advanced processing of spectral data to create improved battlespace visualization for tactical users.

This initiative evaluated EAGLE VISION II, Mobile Processing/Exploitation/Dissemination (MoPED) platforms, and the Spectral Operations Resource Center (SORC). The Army Space Program Office sponsored the National Imagery Client and Tactical Exploitation of National Capabilities, Multiple Unified Simulation Environment (TENCAP MUSE) initiatives.

What the SSE operators do is not "sexy" as far as Army operations go. It's not as glamorous as an airborne drop or a live-fire event, but it's just as important to the success of the mission.

"We are integrating new and emerging technology into the tactical environment, such as wireless Internet connectivity," said Bannister, a member of the 1<sup>st</sup> Space Battalion. "I am responsible for ensuring voice, data and fax communications, as well as maintaining the computer hardware and software." Bannister also produces global positioning system accuracy charts and over-fly reports from satellite imagery.

Sgt. Brandi Harris, a topographic analyst for the SORC makes maps of the battlefield from raw images she pulls down from satellites.

"We take a high-resolution image from the satellite and then draw in annotations that will help the decision-makers," Harris said. "For this exercise, we took an image of the drop zone at the NTC and drew in the flight path. We included elevation and other information that showed the warfighters in the field what they needed to know about the area." Harris is assigned to HHC, Army Space Command. The SORC supports Operations (G-3).

Behind the scenes, 1<sup>st</sup> Lt. Angela Johnson, the team's communications officer and co-battle captain, verified that the external networks are working.

"The first thing I did was check all the phones," Johnson said. "Then I checked with (Communications and Electronics) G-6 to see if there were any problems with their system that could affect us. We checked e-mail to see if we were getting operational updates."

"The team provides warfighters with space-based capabilities such as near real-time imagery, satellite constellation health and notional space control," Johnson said. "This is the first time we have been part of the decision-making process at the division level. We provided more visibility with our Space Support Element. We can add value to just about every staff element because they can use the information we provide to make better decisions."

"All the products of space — navigation, communication, warning and intelligence — will be key products for the U.S. Army objective force, which will be a much lighter and more lethal force," said SMDC Commanding General Lt. Gen. Joseph M. Cosumano Jr. "And for it to accomplish this mission, it must be able to see first, understand first, and then finish decisively. And Space will enable that force to do that."



NGE 02, center; and Kirby Brown, director command and SMDC Deputy Commanding Lab looks on.

# Army Space soldier experiences medieval 'payne'

By 1<sup>st</sup> Lt. Derotha Johnson  
and Spc. Bradley Morrow  
Unit Reporters

**LANDSTUHL, GERMANY** — From the 6th to the 16th Century, warriors were known as knights. One-on-one combat hasn't changed much over the centuries, except in the tools used. Age-old confrontations have many similarities to current warfighting strategies; however, there was no advanced technology and their methods are considered barbaric by today's relatively more sophisticated warfighting societies.



(Photo by 1 Lt. Derotha Johnson, C Co., 1st Satellite Control Battalion)

Not so gentle knight, Spc. John Payne, C Co. 1st SATCON Battalion, Army Space Command, demonstrates the clinch of battle as practiced in medieval days. Payne is a member of the Society for Creative Anachronism.

One Army Space Command soldier, 29-year-old Spc. John Payne of Charlie Company, 1st Satellite Control Battalion — a member in good standing of the aforementioned "sophisticated warfighting society" — still appreciates the older methods.

Payne, a satellite network coordinator in the 21<sup>st</sup> Century, is a member of the Society for Creative Anachronisms Inc. (SCA). The SCA is a worldwide organization dedicated to the recreation of the medieval period in Europe. The SCA is divided into several huge kingdoms, which in turn are divided into smaller regional chapters known as shires.

Payne joined this organization as a hobby, and is a member of the Meadowmarsh Shire (South Central Germany), part of the Drachenwald Kingdom spanning all of Europe and parts of Africa.

Soldiers who attend organized events dress in historically accurate garb, much of which they make

themselves. Soldiers then become completely submerged in the medieval period.

A day in the life of a medieval "soldier" might include armed combat, minstreling (the telling of tales and singing of songs), candle making and jestering. Combat related activities include archery, horsemanship and hand-to-hand encounters.

Payne is a participant in the heavy fighting competitions. When he engages in combat, he is clad from head to toe in protective armor with his wooden (rattan) sword and shield by his side. Combat can be done as one-on-one or as a larger part of a group known as melees.

"I do take some serious blows," recounted Payne while showing off his bluish welts, "but it's all in good fun and the excitement makes up for the pain!"

Suited up and ready for action, Payne demonstrated some of his full force maneuvers on a hapless nearby tree.

"We strike at each other with all our might, but the rules about armor are strict and serious injuries are extremely rare," related Payne.

The SCA has standing rules

on minimum amounts and types of armor, as well as how to engage the head, neck, chest, groin and kidneys because these areas require sturdy protection. A field marshal enforces the rules, and violations are punishable by temporary or even permanent banishment from the field.

As hobbies go, this one can be very expensive. However, as Payne said, "Most of what I wear I made myself. The materials are fairly cheap and my only serious investment is time."

Another expenditure that cannot be avoided is travel cost. Since the events are held throughout Europe and the world, active members of the SCA must travel extensively if they wish to attend some of the larger events.

Payne's platoon leader, Staff Sgt. Charles Ahlborn, commented, "I'm sure he's as dedicated a 16<sup>th</sup> Century soldier as he is in today's world."

Payne touts the benefits of his hobby, "It's great stress relief and more fun than many people would believe.

"A deep interest in medieval times and a vivid imagination are absolutely necessary if you want to have fun with this."

## Tour of battlefield thought provoking for Army Space soldiers

By Sgt. Jerod Hall  
Unit Reporter

**FORT DETRICK, Md.** — On Sept. 17, 1862, Antietam Battlefield in Maryland was the site of America's bloodiest day of "civil" combat. On June 28, 2002, however, Antietam Battlefield National Park served as a training ground for noncommissioned officers from A Company, 1st Satellite Control Battalion, Army Space Command.

NCOs and promotable specialists traveled to Antietam Battlefield to conduct their monthly professional development training. The morning started with a short video followed by an afternoon tour of the historic battlefield.

Established by Act of Congress on Aug. 30, 1890, the Civil War site marks the end of General Robert E. Lee's first invasion of the North in September 1862. The battle claimed more than 23,000 men killed, wounded and missing in a single day, and led to President Abraham Lincoln's issuance of the Emancipation Proclamation.

The tour took place on what has become a beautiful and peaceful national battlefield park. Much of the fields and farms that withstood the Battle of Antietam are still intact.

Alpha Company's operations platoon leader, 1<sup>st</sup> Lt. Jeffery Glines, felt that going to Antietam would serve as a valuable forum for A Company's monthly professional development training for junior leaders.

"I'd been to this battlefield as a cadet and felt that we should take advantage of a great training opportunity. The National Park Service gave us the tour and a dedicated tour guide at no cost since we were soldiers serving on active military duty," said Glines.

The Army Space soldiers "re-lived" the entire day of the battle, with the enthusiastic assistance of their dedicated tour guide, former infantry captain Paul Chiles. He devoted special emphasis to the strategy and tactics employed by leaders on both sides, in keeping with the theme of professional development. Chiles led the soldiers to make comparisons between military strategy and tactics from the Civil War to those of today.

"The tour guide was very knowledgeable. By relating how it was done in the Civil War to how we do it today made the trip

very interesting. I learned a lot from him," said Sgt. Michael Newman.

"It's amazing how much military history is within our immediate area. Today really got me interested in not only the Civil War, but military history in general," said Staff Sgt. Garrison Mothershead.

"Today brought to light how rich our history in the Army is. It was very interesting to learn the similarities and differences between the Army now and then."

Antietam National Cemetery is the final resting place of 4,776 federal soldiers and 1,836 unknown people.



(Photo by Sgt. 1<sup>st</sup> Class James Dinkins, A Co., 1<sup>st</sup> Satellite Control Battalion)

Junior leaders from A Co., 1<sup>st</sup> Satellite Control Battalion, Army Space Command stand with their tour guide, former infantry Captain Paul Chiles, center, after a tour of Antietam Battlefield National Park. Soldiers from left to right are: Staff Sgt. John Maynard, Spc. Daniel Ross, Sgt. Paul Lee, Pfc. David Bloomberg, Sgt. Michael Newman, Sgt. Jerod Hall, Sgt. David Hall, Spc. Kenneth Lockridge. Bottom row: Sgt. Sean Parham, Sgt. David Hoyer, Sgt. Kevin Hand, Sgt. Rachel Cooper, Staff Sgt. Garrison Mothershead and Staff Sgt. Todd Bales.

# Army Space volunteers help preserve National Landmark

By Chief Warrant Officer 2 Garth Hahn  
Unit Reporter

**COLORADO SPRINGS, Colo.** – The awe-inspiring, rugged beauty of the Garden of the Gods National Natural Landmark is more fragile than it seems. Even its towering red sandstone formations, crafted by nature’s tremendous force, are subject to the subtle encroachments of time and weather. Wanting to help preserve it, a group of Army Space Command soldiers recently volunteered their time, muscles and sweat to do just that.

On a cool morning in July, 12 soldiers from Headquarters and Headquarters Company, 1<sup>st</sup> Satellite Control Battalion, arrived at the Garden of the Gods Park. After parking beneath a famous kissing camel rock formation, they donned sunscreen and proceeded to the work location.

“With more than a million people visiting the park each year, erosion can quickly become a major problem for the park’s ecosystem. Erosion is a continuous problem in the park due to the type of soil and the heavy foot traffic off of established trails,” said Greg Jansen, a Garden of the Gods grounds maintenance engineer.

The work the soldiers had volunteered for involved filling large wire baskets, called gabions, with a granite-like rock to ease erosion in the heavily visited park. The gabions are used to stem the erosion by establishing barriers to the free flow of water in a drainage ditch. The ditch was probably started as an unauthorized path through the fragile ecosystem.

Gabions are four feet high by three feet wide by six feet long wire baskets that are set sideways into a ditch. Once the gabion is filled with rock, the walls of the ditch near the gabion are covered with larger rock to direct the water into the rock-filled baskets. This flow control keeps the rushing water from tearing apart the sides of the drainage area, thereby limiting the amount of soil washed away.

When the soldiers arrived, the Garden of the Gods maintenance personnel placed the baskets into the drainage area, ready to be filled with the heavy rock. Because of the fragility of the surrounding flora and



(Photo by Spc. Pedro Meza, HHC, 1<sup>st</sup> Satellite Control Battalion)

Army Space Command soldiers volunteered for a conservation effort at a National Natural Landmark in Colorado Springs. From left to right: Top row: Sgt. 1<sup>st</sup> Class Weldon Hall, Sgt. Nathan Daniell, and Staff Sgt. Patrick Trombley. Center row: Chief Warrant Officer 2 Garth Hahn, Sgt. Steven Cato, Sgt. David Denio, Sgt. Eric Free, and Sgt. Robert Smedley. Bottom row: Spc. Jennifer Swift and Sgt. Keith Barhart. Not pictured: Spc. Shawn Ellisor and Spc. Pedro Meza.

fauna, no vehicles could be used to carry the rocks – varying in weight from five to one hundred pounds — from the roadside to the ditch. In order to move them, the soldiers established a fire brigade chain to pass buckets of rock to the ditch to fill the gabions.

One Army Space volunteer, Sgt. David Denio, said, “This method of moving the rock was a good muscle and team building exercise, which was an added plus to our goal of giving something back to the community where we live and work.”

As the day progressed and the sun passed its peak in the clear blue sky, the mountains of rock were whittled down to nothing and the gabions were filled and surrounded with erosion defeating rock.

“You can’t beat the combination,” said

another volunteer, Spc. Jennifer Swift, one of Army Space’s newest soldiers.

“We’re outside on a beautiful day in a beautiful place, on top of working for such a worthwhile cause.”

Wrapping up the day after filling in the final gabion, the soldiers gathered briefly at the site of one of the demolished rock piles.

A park maintenance supervisor thanked the soldiers for a job well done and marveled at the large amount of work they put in at the park that day.

As the soldiers walked away from the site, they left with sore muscles, sun-darkened faces and the knowledge that they had in no small way helped to preserve one of the great natural wonders of western America.



(Courtesy photo)

## How are things in Qatar?

Command Sgt. Major Wilbur V. Adams Jr. and Lt. Gen. Joseph M. Cosumano Jr., commanding general of the U.S. Army Space and Missile Defense Command and Army Space Command, meet with members of a Joint Tactical Ground Station unit during a recent trip to Doha, Qatar. The JTAGS, part of 1st Space Battalion, Army Space Command, are the only deployed/deployable systems providing the commanders with direct downlinked in-theater early warning of ballistic missile launches.

# Awards/Promotions

## Special Act Awards

**William T. Atchley**, USAKA, Test Support Division  
**Shirley G. Childers**, PARC/CAMO, Branch N  
**Jay F. Daniels**, USAKA, Safety Analysis Branch  
**Rodolfo F. Gil**, USAKA, Safety Analysis Branch  
**Charles R. Hill**, Technical Center Operations Staff  
**Donald E. Hornbrook**, USAKA, Information Management Directorate  
**Anna G. Kirby**, PARC/CAMO, Branch N  
**Diana H. McCown**, PARC/CAMO, Branch T  
**Stanley A. McMurtrie**, USAKA, RTS, Command & Staff  
**Kimberly M. Rogers**, USAKA, Command Judge Advocate  
**John M. Tomkovich**, Battle Lab, Concepts & Initiatives Division  
**Cynthia M. Van Rassen**, Office of Legal Counsel, Huntsville  
**Belinda J. Williams**, PARC/CAMO, Branch T  
**Jonathan E. Williams**, Technical Center, Kinetic Energy Interceptor Directorate

## Performance Awards

**Stephen P. Amacher**, ARSPACE, Readiness/ILS Division  
**Barry L. Anderson**, Operations & Plans, Command Evaluation Branch  
**Sherry J. Kelley**, Technical Center, Systems Directorate  
**Edward Kiker**, ARSPACE, Technical Support Office  
**Gracemarie C. Labarge**, USAKA, Test Support Division  
**Tullie M. Miller**, PARC/CAMO, Policy & Pricing Branch  
**Kay L. Platter**, ARSPACE, Supply & Transportation Division

## On-The-Spot Cash Awards

**M. D. Batts**, PARC/CAMO, Branch N  
**Byron T. Brown**, USAKA, Public Works Directorate  
**Brian D. Burnham**, USAKA, Resource Management Directorate  
**Carmen L. Correa**, PARC/CAMO, Branch N  
**Luanne Fantasia**, USAKA, Public Affairs Office  
**Catherine T. Hovater**, PARC/CAMO, Branch T  
**John E. Jorgensen**, USAKA, Information Management Directorate  
**Judy C. Kennamer**, USAKA, Program Support Division  
**Olen W. Lawson**, USAKA, Office of the Deputy Garrison Commander  
**Norman C. Montano**, MDA Targets & Countermeasures Directorate/Missile Defense Targets JPO, Albuquerque  
**Shirley A. McCluer**, Kwajalein Support Directorate, Huntsville  
**Tullie M. Miller**, PARC/CAMO, Policy & Pricing Branch  
**Linda S. Oellig**, ARSPACE, G1-Personnel  
**Debra A. Parker**, PARC/CAMO, Branch N  
**Karen L. Parmenter**, PARC/CAMO, Branch N  
**Terry G. Rains**, Missile Defense Targets Joint Project Office  
**Larry G. Ridgeway**, PARC/CAMO, Branch K  
**Dianne F. Trimble**, PARC/CAMO, Branch N  
**Mark L. Verstraten**, USAKA, Command Judge Advocate  
**Melva Wooten**, PARC/CAMO, Branch T

## Time-Off Awards

**Gilbert E. Adams**, Operations and Plans, Command Evaluation Branch  
**Jay F. Daniels**, USAKA, Safety Analysis Branch  
**Robie W. Darnell**, Supply & Service Division  
**Charlie M. Dickerson**, Logistics Support Division  
**Rodolfo F. Gil**, USAKA, Safety Analysis Branch  
**Deborah H. Heidt**, Personnel Office, Plans, Policy, & Training Division  
**Dana P. Henslee**, Operations & Plans, Command Evaluation Branch  
**Candace L. Holcomb**, Operations & Plans, Command Evaluation Branch  
**Elizabeth J. Hurt**, Operations & Plans, Command Evaluation Branch  
**William R. Mull**, Engineering Division  
**Robert W. Patty**, Operations & Plans, Command Evaluation Branch  
**Mary D. Peoples**, Equal Employment Office  
**Nevrik E. Ratliff**, Office of PARC/Contracting & Acquisition Management  
**Barbara J. Rogers**, Technical Center, Data Analysis & Exploitation Division  
**Cynthia M. Van Rassen**, Office of Legal Counsel, Huntsville  
**Elaine M. Waldrep**, Office of Legal Counsel, Huntsville  
**Thomas E. Webber**, USAKA, Command Safety Office  
**Irvin D. White**, Operations & Plans, Command Evaluation Branch  
**Janice P. Williamson**, Security Division  
**Kenneth L. Wren**, Battle Lab, Concepts & Initiatives Division

## Quality Step Increase

**Barbara A. Cantrell**, Technical Center, Test & Evaluation Directorate  
**Gene M. Dohrman**, USAKA, Office of Deputy Garrison Commander  
**Donald E. Hornbrook**, USAKA, Information Management Directorate  
**Shirley A. McCluer**, USAKA, Program Support Division  
**Teresa M. Portzer**, Staff Action Control Office

## Command Award for Civilian Service

**John P. Coons**, FDIC-West, Colorado Springs  
**Rodolfo F. Gil**, USAKA, Safety Analysis Branch

## Civilian Promotions

**Vicki H. Edwards**, GS-13, Security Division  
**Anna G. Kirby**, GS-07, PARC/CAMO, Branch N  
**Alesya M. Paschal**, GS-14, Battle Lab, Analysis and Operations Directorate  
**John H. Penley**, GS-09, PARC/CAMO, Branch K



(Photo by Sgt. Sean McGrane)

1st Lt. Shawn Price washes laundry at Bagram Air Base in Afghanistan. Although laundry facilities are available, soldiers are limited to 22 items per week, so soldiers provide their own supplementary laundry capability. Dusty conditions in this sweltering combat zone means soldiers do a lot of their own laundry.

## From the front

An Army Space Support Team supports the XVIII Airborne Corps amidst the wreckage of more than two decades of fighting in Afghanistan. Bagram Air Field is littered with relics of the past, including destroyed buildings, military aircraft, armored vehicles and trucks, reminders of the Cold War and civil wars.



(Photo by 1st Lt. Frank Tedeschi, XVIII Airborne Corps)

Blasted adobe houses and a ruined Russian tank frame Sgt. Sean McGrane of the Army Space Support Team.

# New soldiers discover old tradition

**By 1<sup>st</sup> Lt. Derotha Johnson and Spc. Bradley Morrow  
Unit Reporters**

**LANDSTUHL, Germany** — Yes, yes, it's true. Some stuffy old military traditions can actually be fun. At least that was the reaction from the soldiers and spouses who attended the first ever dining-out event sponsored by C Co., 1<sup>st</sup> Satellite Control Battalion, Army Space Command, on July 26. Although small in size, C Co. soldiers managed to create an impressive event that carried on the ancient tradition of formal military dining.

The dining-out was held at the Landstuhl Combined Community Club located on post with the Landstuhl Regional Medical Center. Soldiers were resplendent in a mix of

dress greens and blues, while the civilian ladies in attendance glistened in satin and silk.

Even though it was a first for the company, key personnel performed admirably. The position of Mr. Vice, traditionally the youngest leader present, was ably filled by Staff Sgt. Charles Ahlborn.

Ahlborn added a new ingredient to the Grog Bowl recipe when he solemnly and respectfully stated, "Representing those who lost their lives in the attacks of Sept. 11, we add peanuts representative of those served on airplanes."

An honor guard of five smartly drilled C Co. soldiers crisply posted the colors consisting of the American Flag, the German National Flag and the flag of the U.S. Army.

Other highlights included the video and slide presentations (bringing out the best

and most humorous times of several other company functions), the "Grog Bowl" and requisite "Points of Order," as well as impressions and skits performed by C Co. soldiers.

"I have never been to anything like this before, and it was a lot more fun than I expected," said attendee Spc. Casey Taylor.

Several soldiers as well as their spouses made more than one long walk to the Grog Bowl. Many of those trips and their results will undoubtedly find their way into future "highlights" videos.

Looking forward to the next similar event, Angela Heintz, wife of Sgt. 1<sup>st</sup> Class Randy Heintz, said, "Everyone looked so regal and had so much fun. I can't wait to do this again. I guess the old traditions are still around for a reason after all."

# Association sends children to Huntsville's Space Camp

**By Paige Singleton  
Quality Research**

**W**hen the Sept. 11, 2001, tragedy occurred, countless people were affected. Eleven-year-old Harry Jones, who attends Martha's Table in Washington, D.C., was among the many. Attending Space Camp was to be a dream come true for Harry. Martha's Table is an after-school program.

With a scholarship to the U.S. Space & Rocket Center in Huntsville, Ala., offered by the Army Space and Missile Defense Association (ASMDA), he thought he was ready to go. A week before his scheduled arrival, Harry began to feel quite nervous about the plane trip.

Memories of the 9/11 attack still vivid in his mind, Harry was unwilling to separate himself from the fear and opted not to attend Space Camp. However, ASMDA held Harry's Space Camp spot for him. This

scholarship would provide Harry with the chance of a lifetime. Fortunately for Harry, he got the opportunity this time around and attended Space Camp July 1-5. He expressed his immense appreciation for the opportunity.

Jones was one of several students from Washington, D.C., Virginia, Colorado and Alabama to attend Space Camp and Space Academy Huntsville, Alabama's U.S. Space & Rocket Center.

ASMDA also chose Tiffannie Lee, Brittannie Lee, April Whisenant, Chrystal Mitchell, Theo Alexander, Sarah Schlachter, Katrina Bennett and Sarah Schlichting for Space Camp scholarships. Their Space Camp experience has enabled them to make new friends.

"I was really excited to be able to come to Space Camp," says 11-year-old Chrystal Mitchell about her experience. There was a lot to look forward



Katrina Bennett, left, Sarah Schlichting and Michael Teague work at a console.

to throughout their stay. Her favorite was the Space Shot. Mitchell is the daughter of Debra Mitchell from the Space and Missile Defense Command in Huntsville, Ala.

Nine-year-old Sarah Schlachter recalls her feelings about being accepted for the scholarship, "I was so happy! I could not believe I was getting to go to Space Camp!" One day, Sarah hopes to become a scientist. Her week at the Space & Rocket Center helped her make that decision.

Brandon Teague from Huntsville had the opportunity along with Katrina Bennett and Sarah Schlichting from Colorado Springs, Colo., to attend Space Academy, a program for young people ages 12-14. Teague, the 12-year-old grandson of Mary Crosby an employee at SMDC, was "overwhelmed, excited and scared" when he was informed he had received the

scholarship opportunity adding that "it was a great learning experience and has made a lot of lasting memories."

Nine-year-old Tiffannie Lee — daughter of Master Sgt. Preston Lee from SMDC Arlington, Va. — was the youngest camper and she is proud of herself for not being scared to fly. One of her favorite activities was riding all the rides the Space & Rocket Center had to offer. She was accompanied by her sister, 11-year-old Brittannie Lee.

The ASMDA's Space Camp scholarships offer eligible children, aged 9-11, one week at Space Camp, valued at up to \$1,750, including round-trip airfare for the child from the parent's work location, a Space Camp flight suit and clothing package, a phone card and \$50 worth of Shuttle Bucks to spend in the gift shop. To qualify, children must write an essay in their own handwriting answering a series of questions such as, "Why would you want to go to Mars?" The ASMDA is a non-profit organization whose purpose is to support SMDC in the attainment of its goals and vision. Scholarship applications will be made available through public affairs offices.



(Photos by Susie Vaughn, Quality Research)

The Army Space and Missile Defense Association sponsored children for the July 1-5 session of Space Camp at the U.S. Space & Rocket Center in Huntsville, Ala. From left, front row: Tiffannie Lee, April Whisenant, Sarah Schlachter, and Harry Jones. Back row: Theo Alexander, Brittannie Lee and Chrystal Mitchell.

## RTS celebrates 100 percent tracking of new foreign launches

By Peter Rejcek  
Kwajalein Hourglass

**T**ed Williams, one of the greatest baseball players of all time, was the last slugger to hit over .400 for a season. And not even he could do it twice in a row, let alone three times.

Now imagine a perfect batting average for three straight seasons. That was the analogy offered by Lt. Col. Clarence Johnson, commander of the Reagan Test Site (RTS), during a celebration of range success stories July 13 on Roi-Namur.

At the top of the list was the recognition of yet another year of 100 percent track of NFLs, or new foreign launches, the third in a row. That means for fiscal year 2001, which ended Sept. 30, the range successfully tracked all 23 NFLs it had to catalog.

"I am still amazed anybody can do anything 100 percent," Johnson told a gathering of engineers and space surveillance and support personnel.

NFLs are typically satellites, mainly launched by Russia and China, according to Herb Schmidt, Space Surveillance leader.

The only other time the range scored 100 percent in

tracking NFLs before the current streak was 1993. The Reagan Test Site has actively tracked NFLs since 1983, Schmidt said. He credited the difference in performance of the past three years to a "very high system of readiness."

"We're really emphasizing planning, preparation, training and execution," he said.

Range readiness and availability has been consistently at 98 or 99 percent, according to Jeff DeLong, Radar manager.

"That's almost unheard of in the space surveillance business," he said.

Schmidt said the feat is even more significant because it is the first year TRADEX was required to be "green" for NFL tracks. In fact, not only did the range track all launches, but it scored 100 percent on all 34 NFL events, which means it tracked, as required, each pass made by the foreign-launched object. ALTAIR recorded 22 of those tracks while TRADEX picked up another 12.

"The TRADEX people did an excellent job," Schmidt said.

The July 13 party also recognized the way TRADEX stepped up to the plate over the last nine months, from Sept. 17 to June 20, while ALTAIR was off-line at three different times during that period.

Over the last nine months,

TRADEX has successfully tracked all 16 NFLs and 100 percent of the NFL events as well. The numbers are amazing, Schmidt said, because TRADEX does not possess the tracking capabilities of ALTAIR.

"At TRADEX you have to be more prepared," he explained.

In addition to NFL coverage, TRADEX performed more than 30,000 space surveillance tracks during the time that ALTAIR was unavailable. It was green and ready to go 98 percent of the time.

"It's on a level with ALTAIR," Schmidt said of TRADEX.

Meanwhile, ALTAIR moved into the big leagues with fellow radars MMW and ALCOR by successfully proving its Initial Operation Capability for both reentry and space surveillance as part of the Kwajalein Modernization and Remoting (KMAR) project.

The last radar to be modernized is TRADEX, which will be completed next year, according to DeLong.

While there is still plenty to do on KMAR, the project is in its final stages. Johnson wasted little time before throwing down a new challenge to the range.

"KMAR was a success," he told the gathering. "It's done. Let's find something new."

The range may be hard pressed to match the magnitude of the effort. DeLong said the range had not tackled such a task since KREMS was created. "It was monumental," he said. "We needed this. The range needed this."

Modernization not only included the radars, but telemetry and optics — every aspect of the range. Even the software for space surveillance was updated for the hardware that's duplicated at all four radars, though it will probably only be used at TRADEX and ALTAIR.

Engineers wrote about a million lines of code for the radars and another million lines just for space surveillance, DeLong noted.

"It was a big effort," he said.

The celebration of accomplishments of recent months did not include the heavy mission schedule that the range had to juggle at the same time, according to RSE Site Manager John Wallace.

"This is the most intense mission tempo in the history of Kwajalein," Wallace said.

DeLong said it was extremely tough going, particularly in a stretch that included 10 missions over three months.

But on the job they were always "green" and ready to go.

## Astronaut

Continued from Page 20

important to maintain just like space, along with the various means of communications."

One thing Williams found immediately similar to being in space was working on the ocean floor. "Working with tools, line reels and the like in the ocean was like conducting a space walk. You had to work slowly and carefully in order to go fast."

During a journal entry on Mission Day 3 Williams wrote, "Today we are planning on getting started on a construction project that will help develop methodologies for conducting, controlling and coordinating similar projects on orbit, in the future on Mars, or perhaps back on the Moon."

This included long dives taken outside Aquarius, which resembled space walks on the International Space Station.

During the nine-day mission, several different NASA departments monitored the progress of the astronaut crew from the Johnson Space Center in real-time. Underwater communications equipment and cameras provided interactive capability between the aquanauts and NASA staff in Houston.

The crew did a live webcast for educational and outreach organizations, an interview with CNN, and even had time for a 10-minute telephone call with their counterparts aboard the International Space Station 250 miles above sea level as the station made its way over the South Atlantic Ocean, or as Williams put it "an inner space to outer space phone call."

This type of experience aboard Aquarius will be used to help build crew and mission control communication techniques and will provide leadership and interpersonal skills training to everyone involved.

On day eight of the mission, Williams noted, "It's hard to believe that the diving is over. Today will be dedicated to getting our data and personal equipment organized, preparing for and initiating the decompression routine and a little relaxation... much like deorbit prep on the Space Shuttle."

"Even though I had high expectations of the mission before, the experience has surpassed those and I couldn't be more

pleased with the way things went, both personally and for the crew.

"As in all things, what makes the difference is the people. The crewmembers have been great to live and work with. Everybody has done all of the right things in regard to what it takes for an expedition to work in an isolated and unforgiving environment, to operate safely and effectively, while maintaining high morale, esprit and camaraderie. Best of all, we have encountered no close calls or safety problems and everybody has had fun... my two top priorities going in.

"The topside crew, both NASA and the National Undersea Research Center, have also been a pleasure to work with. They have gone above and beyond the call in anticipating the support we needed and responding to requests and contingencies, always in a can-do and enthusiastic way. In expeditions such as this, there is often great potential for a split to form between the deployed crew and the "base" crew during the course of the mission but nothing of the sort occurred to us."

Williams, a scuba diving enthusiast, is fascinated with exploring the unknown and the challenges of human exploration, and considers the challenges of living and working on Aquarius to be analogous to that of space.

The public can see a recap of the crew's mission and view images by logging onto the Web at: [www.uncwil.edu/nurc/aquarius/](http://www.uncwil.edu/nurc/aquarius/).



NEEMO 3 crew prior to a training dive. From left, U.S. Army Space Command Astronaut Lt. Col. Jeff Williams, NEEMO 3 commander, Danny Olivas, crew mission specialist, Jonathan Dory, SPACEHAB, Inc., and Greg Chamitoff, mission specialist candidate.

## Soldier team development the most critical element in the Army today

By Staff Sgt. Charles Ahlborn  
SMDC NCO of the Year

It is impossible to achieve lasting and worthwhile success at the expense of others.

That said, soldier team development is the most critical element in the Army today. In my opinion, the number one reason for success in the Army is the soldier team development process.

Teams can be as big as a corps or division and as small as a tank crew or fire team. Teams do not appear fully formed overnight. They are formed and groomed over time.

There are three stages to the soldier team development process: the formation stage, the enrichment stage and the sustainment stage. I'm not going to recite what Field Manual 22-100 has to say about each one of the stages. Instead, I'm going to tell you how I viewed each stage as a soldier, and also connect it to my responsibilities as a leader.

I remember showing up in Germany at the Frankfurt International Airport with my duffle bag over my shoulder — straight out of Advanced Individual Training. I had no idea what to expect or what I was supposed to do. I was scared.

My first line supervisor picked me up at the airport and drove me down to Landstuhl. During the trip, he explained to me about the unit and what to expect from work and where I was going to live. By the time I got to Landstuhl, I felt a lot more at ease.

What I just described was part of the formation stage. Reception, orientation and integration are the keys to a successful formation stage. A soldier needs to feel as though they are wanted and needed as part of the team. The questions of:

"Do I want to be part of this team?"

"Will I be accepted as part of the team?"

"Who is the leader?"

"Is the leader competent?"

All of these questions will be answered during the formation stage.

My job as a leader of soldiers during this stage:

1. Set the example. Once I have set the example, my soldiers know what my standards are, and what is expected of them.

2. Keep my soldiers informed. My soldiers need to know when to be where at all times.

3. My soldiers always need to know that they can contact me whenever they need to, 24 hours a day, seven days a week.

There are no clearly defined lines between each one of the stages. Knowing what I know now, I look back and realize that, when I was starting to make friends and trust the people I work with, I was entering into the enrichment stage.

My role as a leader at this stage:

1. Number one is training. Yes, you will do training at all three of the stages, but training during the enrichment stage is where I'm going to take a group of individuals and turn them into one team.

2. I start developing my junior leaders. I'm going to give them more responsibility so that, someday, they can take my position.

3. My soldiers start to trust me because I will listen to what they say and follow-up on what they need.

4. I assist team members in setting goals as a team. For example, maybe a squad Physical Training Test score average of 260. But we'll decide on that number as a team — not just me dictating the standard.

Again, there are no clearly defined lines between each one of the stages. The point where I enjoyed coming to work and I knew exactly what was expected of me is the point where I was entering the sustainment stage. This is also the time

where I was proudest of my team. And that is the point. It was my team, at that time, Charlie Company, 2<sup>nd</sup> Squad. I was also able to express my feelings and opinions without fear of repercussion or ridicule. My responsibilities as a leader for this stage:

1. I have to keep increasing the level of training and making it more challenging.

2. I need to continue developing junior leaders, giving them even more responsibility.

3. It's critical to ensure that the team does things together because they want to by this point, not because I said so. That could be going to see a movie or a ball game, maybe bowling together or participating in a squad level sporting event as a team.

4. My biggest challenge as a leader is to keep the team going during times of gains and losses. My junior leaders will be able to help to some degree. Much turmoil is created whenever anything changes.

In conclusion, if there are any problems at any of these stages that are not worked through, the team building process will not work correctly.

To repeat with emphasis — the formation stage is the cornerstone and the foundation of the process. If the team is never formed properly, then the team can never come to be. Again, reception, orientation and integration are the keys to a successful formation stage.

The rise and fall of great nations does not always depend upon the leaders of those nations, but on the teams by which those nations are built.

*(Adapted from Staff Sgt. Ahlborn's oral presentation during the NCO of the Year board in June. Presentations by remaining competitors will be featured in future issues of "The Eagle.")*



From right, David Jarvis, Ryan White, Phillip Howell, Scoutmaster Gibson and Mark Gibson clean up the shoreline at River Bend State Park in Great Falls, Va.

### Soaring with Eagles

Not everyone can achieve the Boy Scouts' highest rank — Eagle Scout. It takes dedication and hard work.

Ryan Wing, son of Bill Wing of the U.S. Army Space and Missile Defense Command in Arlington, Va., and wife Janet, was awarded the Eagle Scout in a ceremony July 21 in McLean, Va.

Ryan, a junior at Langley High School in McLean, completed his Eagle Scout project in October 2000 at River Bend State Park in Great Falls, Va. He, along with fellow scouts and friends, rehabilitated a section of riverfront deemed most needy by park officials. They installed logs and stones on three levels and planted vegetation to control Potomac River erosion.

## Business Initiatives Council solicits ideas for better business practices in SMDC

Until now, employees submitted great ideas for better ways to do business, but the responsible major command did not receive a portion of the money saved by the initiative.

"Under the Army Business Initiatives Council (BIC), MACOM's share in all savings that affect them, regardless of the source of the initiative," said Elizabeth Hurt, the Deputy Chief of Staff for Operations project manager. "For a savings of up to \$2 million, the MACOM retains 100 percent of the money. After that, the amount is shared with Department of the Army on a graduated basis."

Initiatives can include such ideas as streamlining, consolidating or re-engineering processes, mission, functions and organizations; getting out of non-core businesses, civilianizing positions to free up military manpower or changing laws or regulations. The BIC process is a unique opportunity for you to identify, articulate and fix the bureaucratic processes and problems that impede your business operations.

The council is part of Business Initiatives Review, a DoD-wide process review to radically improve/streamline the way the department currently conducts business and transform the military into a 21st Century fighting force. The program has strong leadership support, emphasizing the need to accelerate change. The effort is viewed as a great opportunity to improve business processes and generate savings that can be applied to higher priority Army programs.

The Army Web site at <http://www.asafm.army.mil/bic.asp> provides information on approved initiatives and other information about the program.

For more information or to submit an initiative, call Elizabeth Hurt at (256) 955-3946 or send an e-mail to: [hurte@smdc.army.mil](mailto:hurte@smdc.army.mil).

# New high-speed catamaran makes stop on Kwaj

By Peter Rejcek  
*Kwajalein Hourglass*

**U.S. ARMY KWAJALEIN ATOLL** — One of the military's latest examples of going to a lighter, faster force sped through an ocean pass into the world's largest lagoon at 30 knots July 6.

The Joint Venture HSV-X1, short for high-speed vessel, spent the night at the U.S. Army Kwajalein Atoll's marina after a seven-day trip from

Singapore, returning from missions associated with OPERATION ENDURING FREEDOM, according to Chief Warrant Officer 2 Tim Schauwecker, second mate. The ship was originally scheduled to return to the continental United States via Guam, but was diverted to Kwajalein because of Typhoon Chataan.

The high-speed, wave-piercing cat was designed and built by Australian shipbuilders. Ironically, it was

picked up from Tasmania, Australia, by a joint crew of Navy and Army personnel the day before the terrorist attacks of Sept. 11, 2001.

Schauwecker said 36 people were on board the catamaran, mostly Army personnel who have tested the ship's abilities since beginning their voyage in March, literally crisscrossing the waters around Europe, the Middle East, Asia and the Pacific Ocean.

The 313-foot vessel still

retains its plush interior from the days it served as a ferry between Tasmania and mainland Australia, as well as between the north and south islands of New Zealand.

Modifications include the building and installation of a helicopter pad suitable for large military helicopters such as the SH-60 Seahawk and the CH-46 Sea Knight. But the cat's claws not only reach to the air. A two-part, hydraulically operated ramp allows rapid loading and unloading of vehicles from the stern or side of the vessel. There's enough room to accommodate a Bradley Fighting Vehicle, which is about 20 feet long and 10 feet wide.

The idea behind the vessel, Schauwecker explained, is to offer higher load capacity than an airplane but at a much faster speed than the Army's current Landing Craft Utility and Logistic Support Vessel.

From Kwajalein, the ship was traveling 2,300 nautical miles to Hawaii, which Schauwecker estimated would take about three days.

Kwajalein is home to the Ronald Reagan Ballistic Missile Defense Test Site for theater and national missile intercept testing.

## Joint Venture HSV-X1

**Length:** 313 feet  
**Beam:** 87.4 feet  
**Speed:** 38 knots operational, 48 knots lightship  
**Deadweight:** 740 tons  
**Seating capacity:** 363 passengers and crew  
**Main engines:** Four, 10,000hp Caterpillar marine diesel engines



Modifications to the catamaran include a helicopter pad large enough for the SH-60 Seahawk and the CH-46 Sea Knight.



(Photo by Sgt. 1st Class John Hughes, JTAGS-Europe)

## Look out, we're coming through

Joint Tactical Ground Station-Europe, Theater Missile Warning Company, 1st Space Battalion, conducted a nuclear, biological and chemical road march July 19 as part of sergeant's time training. Training was organized and planned by Staff Sgt. Kwain Stovall. Soldiers and sailors of JTAGS-EUR performed a six-mile march with NBC training points along the way.

## Summit

Continued from Page 20

Adding SETSMOA instruction to regular training for both military leaders and civilian educators was one summit recommendation. Others included: establishing a SETSMOA handbook for installation commanders; providing schools a copy of soldiers' family care plans; and creating practices that are consistent among all who sign the memorandum of agreement.

Some inconsistent practices among school districts are: how school records are released to students, criteria for extracurricular activities and grading practices, Hinman said. This can be resolved by SETSMOA partners sharing their best practices, she said. The challenge is going to be communicating standard practices when personnel changes take place, she added.

During the summit, when Shinseki asked how many installation commanders were aware of the Army's memorandum of agreement, only half raised their hands. Continuity dies after personnel changes because the word isn't getting out to new parents or commanders, said Lt. Gen. James Hill, the I Corps and Fort Lewis, Wash., commanding general.

"Out of the nine commanders who originally pushed for the memorandum, only two are here today — including myself," said Hill. "Which goes to the heart of the problem. So, as we move forward, we need to address how to keep the momentum going as installations change personnel."

Not only do people change, but school district policies frequently change also, said the spokesman for the SETSMOA workgroup.

"Each school district has its own set of policies, and they often get in the way of successful transition for school children," Hill said.

The Education Summit is a way the Army is taking care of its own, but parents have the primary responsibility for managing their children's education, Shinseki said.

Students who attended the conference recommended that the best way to get the word out to parents on the SETSMOA is through a commercial.

Forces Command volunteered to get started on creating a video that would highlight the SETSMOA, to get more parents educated on its existence.

State policies can be viewed at the following Web sites: <http://voled.doded.mil/dantes/refpubs> and <http://www.collegeboard.com/about/association/international/residency.html>.

# eArmyU expanding to three more posts

**ALEXANDRIA, Va.** — Soldiers at three more installations, including one in Korea, will have the opportunity to enroll in eArmyU online college courses during August.

The eArmyU portal provides access to degree programs at more than 20 colleges and universities. Two-thirds of the soldier-students are pursuing associate's degrees, 23 percent pursuing bachelor's degrees, 2 percent pursuing master's degrees and 5 percent are pursuing post-secondary certificates, officials said.

Fort Drum, N.Y., and Camp Casey, Korea, began enrollment for eArmyU Aug. 5. The program became available at Fort Bragg, N.C., on Aug. 12.

Since its inception in January 2001, the eArmyU distance-learning program has grown from three installations to 11.

Fort Benning, Ga.; Fort Campbell, Ky; and Fort Hood, Texas, were the first three posts to implement eArmyU. Then Fort Carson, Colo., and Fort Lewis, Wash., began offering the program through their education centers. Posts in Alaska and Hawaii and the Heidelberg community in Germany now also have the program.

More than 23,600 soldiers are now enrolled in eArmyU and 52 have completed degrees so far through the program.

Soldiers who enroll in eArmyU are furnished with a laptop computer, printer, 24-hour-a-day technological support, mentoring, tutoring, counseling and academic advising, an e-mail account and Internet access. They are also provided with 100-percent tuition assistance, as well as coverage of books and course fees.

The eArmyU education partnership

currently consists of a collaboration of regionally accredited colleges and universities, officials said, as well as hardware and software providers. The program offers soldiers more than 90 online post-secondary degree and certificate programs and 4,000 courses. The eArmyU distance-learning portal is designed, built and operated by PwC Consulting, a business of PricewaterhouseCoopers.

The eArmyU program has received numerous awards including the eGov 2001 Pioneer Award, the Government Technology Leadership Award and most recently, the 2002 Federal Government Information Processing Council Intergovernmental Solutions Award.

(Information provided by the U.S. Total Army Personnel Command.)



Spc. Shamika Fenstermaker (left), satellite controller, assists in the paperwork check of Sgt. Nichole Tracht (center), team leader in operations platoon, and Spc. Lucas Moul (right), satellite controller, during the issuing of weapons prior to entering the range. Fenstermaker recently met the cut-off for promotion to sergeant.



Photos by Don Montoya

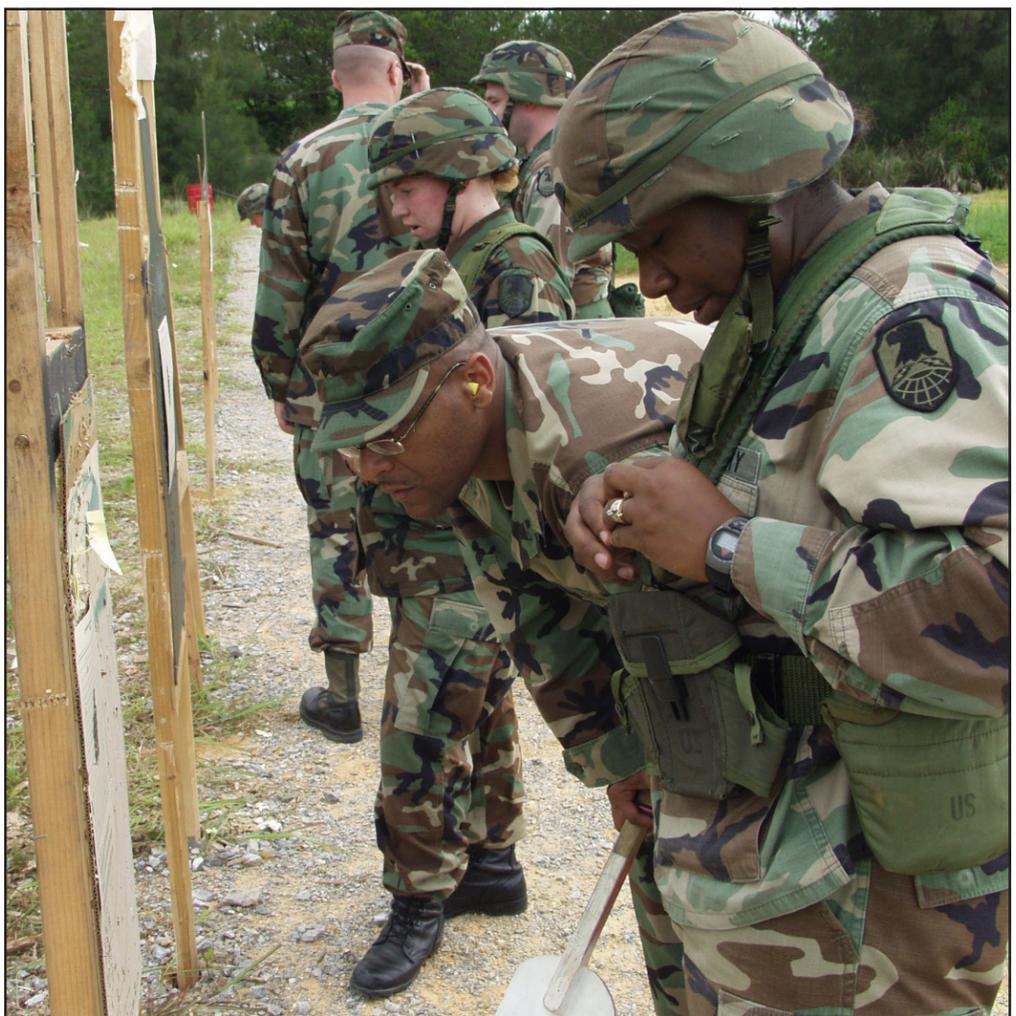
Squad leader in operations platoon, Sgt. Joseph Stensing adjusts the front site on his weapon.



Spc. William Keys, satellite controller, marks his target for zero.

## All in a day at the range

Soldiers of E Company, 1<sup>st</sup> Satellite Control Battalion, located at Fort Buckner, Okinawa, Japan, brush up on their M16 qualification skills. They traveled north to a firing range located on Marine Camp Hansen, Okinawa, Japan, June 27.



Supply sergeant for E Company, Sgt. Victor Glaze (center), a range safety NCO, assists Sgt. Michael Stansbury in evaluating the zero qualification target to get a better site picture.

# Training underwater prepares Army astronaut for life in Space

By Don Montoya  
Army Space Command

**KEY LARGO, Fla.** — Lt. Col. Jeff Williams, a U.S. Army Space Command astronaut, recently completed a nine-day space flight training mission. He and two other astronaut mission specialists from the Johnson Space Center did it 60 feet underwater and 3.5 miles off shore in the Florida Keys National Marine Sanctuary.

The mission is the third of its kind between NASA and National Oceanic and Atmospheric Administration and is being conducted under the project name NASA Extreme Environment Mission Operations.

Basically, NASA astronauts live and work underwater using Aquarius — a laboratory and habitat. Aquarius is the only undersea research platform of its kind and is owned by NOAA and operated by the National Undersea Research Center at the University of North Carolina at Wilmington.

Measuring only 12 by 43 feet, this inner space station provides a similar environment to that found on the International Space Station (ISS).

"In planning for the mission, we have come to realize that the challenges associated with going to 'inner space' are very similar to the challenges of going to outer space," Williams wrote in his on-line journal entries from July 9 through 22. He made the comments during a weeklong training session and time aboard the Aquarius.

"As a result, our experience and lessons learned will apply directly to future space flights on the Space Shuttle and the International Space Station."

The similarities between working underwater and working in space largely center around the stresses of living in an extreme environment in an enclosed space. The lack of minimal comforts such as the ability to go home easily, and the separation/isolation from family, friends and the outside world, coupled with



(Photos Courtesy NURC/UNC)

NEEMO 3 Commander U.S. Army Space Command Astronaut Lt. Col. Jeff Williams with his line reel.

challenging workloads, closely mirrors a space environment.

For nine days Williams, along with John Daniel Olivas, crew mission specialist; Gregory Errol Chamitoff, mission specialist candidate; and Jonathan Dory, a space habitability engineer from SPACEHAB Inc's Habitability and Environmental Factors Office, lived and worked in "saturation" in and near Aquarius among the coral reefs off the Florida coast.

Typically used by marine scientists to study coral reefs and the coastal ocean, Aquarius allows "aquanauts" to live and work on the seafloor for extended periods using a special technique called saturation diving. The process dramatically increases the time divers

can spend working in the ocean depths. "During this time we were isolated and unable to come to the surface," said Williams who holds the title of NEEMO 3 commander.

Williams, a veteran of Space Shuttle Mission 101, recounted the similarities of the Aquarius to the Space Station and Shuttle in his journal.

"It is amazing how similar the overhead of running Aquarius is like the operation of the Space Station or the Space Shuttle. Air quality is a high priority, of course, in both places."

"The power distribution systems are also an integral part of Aquarius and

See Astronaut on Page 16



(Photo by Debra Valine)

Secretary of the Army Thomas White discusses the role of the U.S. Army Space and Missile Defense Command with Lt. Gen. Joseph M. Cosumano Jr., SMDC's commanding general, during Armed Forces Week activities in Huntsville, Ala.

## It looks like this

Secretary of the Army Thomas White visited Huntsville during Armed Forces Week July 24. At a press conference, he assured reporters that Huntsville is the hub for space and missile defense for the Army. "We reviewed every major command, not just the U.S. Space and Missile Defense Command. Some adjustments may have to be made, but what we have here in Huntsville is fundamentally sound because it supports critical activities."

## Summit suggests 50 ways to help mobile students

By Staff Sgt. Marcia Triggs

**WASHINGTON, D.C. (Army News Service)** — The Army's summit on secondary education in July resulted in more than 50 recommendations, ranging from creating a commander's handbook to providing schools with soldiers' family care plans.

Delegates from 22 states came up with suggestions briefed to Army Chief of Staff Gen. Eric K. Shinseki July 10 at the end of the summit. One work group focused on approaches to help Army families gain favorable in-state college tuition policies. Six others came up with strategies to implement a memorandum of agreement on secondary education.

The Army began a study in 1999 to better understand the effects of mobility on high school students and provide recommendations to ease the impact. Out of the study came a memorandum of agreement, which officials said is the framework for establishing common practices among school systems.

"There were no recommendations made to improve the 'Secondary Education Transition Study and Memorandum of Agreement' (SETSMOA)," said Dr. Elaine Hinman, director for DoD's Domestic Dependent Elementary and Secondary Schools. She explained rather that the focus was on strategies to "institutionalize" the SETSMOA initiatives among the 92 school districts that have signed it and others that have yet to sign.

Change happens through professional development, said Hinman, who oversees schools in seven states along with Guam, Puerto Rico and Cuba. School counselors and school district leaders need consistent high-quality training on the highly mobile military child, she said.

See Summit on Page 18