

THE KWAJALEIN HOURGLASS



Col. Frederick Clarke, right, hands the colors to Lt. Col. John Eggert symbolizing the transfer of leadership for Reagan Test Site from Lt. Col. Harold Buhl, Jr. during the Change of Responsibility Ceremony July 24. For more, see Page 4.

Photo by Dan Adler

Commander addresses flu prevention

Yokwe Community!

I want to talk to you about personal responsibility and consideration. Hopefully everyone is enjoying the summer and taking advantage of the beautiful environment we live in. As you know, there have been several cases of presumed H1N1 on Ebeye which caused USAKA to implement an action plan in order to best take care of the community. The team has been meeting on a regular basis to discuss actions taken and further actions for consideration if required. I have all the key players across the spectrum of functions on Kwajalein represented at the meetings and working the plan. Everyone is doing what they

are suppose to.

I need you personally to play a role in the well being of the community. It is simple; follow the precautionary measures being delivered through several mediums to include the *Hourglass* and AFN Roller regarding washing hands, covering mouth when coughing and other precautionary personal actions which fall under the considerate category.

If you are feeling sick, please go to the hospital and get checked out. Do not go to gathering places or travel. If you are off Kwajalein and think you may have the flu, please do not get on a plane where you can potentially infect others or



come back to the Atoll until you have been checked out and it is safe for you to travel. Please, apply common sense and be part of the solution.

I appreciate your consideration of taking care of the health and welfare of others!

Dining facilities change rules on takeout meals

Until further notice pending this period of heightened health awareness, the dining facilities on both Kwajalein and Roi Namur will implement a series of measures promoting responsibility and consideration of others.

Personnel with meal cards who are sick and unable to go to the Café Pacific or Café Roi may contact Café Pacific at 53425, or Café Roi at 56368, to make arrangements for a takeout meal. Those needing assistance in obtaining meals will need to confirm the take out with the respective dining facility by providing their name, K badge number, and name of person who will pick the meal.

The standard practice for obtaining a takeout meal remains in place. However, any personnel not wanting

to dine at Café Pacific and Café Roi or not choosing to go through the serving line will have the option to receive a takeout meal. The \$1.00 fee for all takeouts has been temporarily waived. Those desiring this take out option should report to the main entrance of either Café Pacific or Café Roi and provide either a valid D.O. number, pay cash, or swipe their meal card whereupon the cashier will issue an authorized take out request form.

Personnel should then proceed to the east side entrance (back entrance on Roi) of the dining facility and provide the form to a dining hall staff member to receive the meal of the day.

If you have any questions please contact the Café Pacific at 53425 or Café Roi at 56368."

"Ro ewor aer meal card im re'naninmej im rejjab maron bed/etal non imon mona kein (PDR) Café Pacific im Café Roi remaron kebaak jikin mona kein ilo -- Café Pacific 5-3245 im Café Roi ilo 5-6368 -- non kommon kon ikkujeen takeout i mona eo kujom. Ro rej aikuij jiban ikkujeen buki / takeout mona ko kujijer rej aikuij kebaak jikin mona kein non am likit ettam, numba in baaj eo am im etan armej eo

kwoj bok mona eo kujjen. Jokjok ak wewein in ikkujeen ebbok mona naaj jino kutten. Ijjo ke ro rejjab konan mona ilo imwon mona kein Café Pacific im Café Roi ak rejjab konan bed im jutak ilo line in mona eo rej maron ebbok / takeout kujjeir. \$1 dolla fee / wonen eo non takeout emoj an bwojrak ilo torrein. Kebaak ro tollakeir ilo imwon mona kein ba kaki non melele ko jet."

THE KWAJALEIN HOURGLASS

The *Kwajalein Hourglass* is named for the insignia of the U.S. Army 7th Infantry Division, which liberated the island from the forces of Imperial Japan on Feb. 4, 1944.

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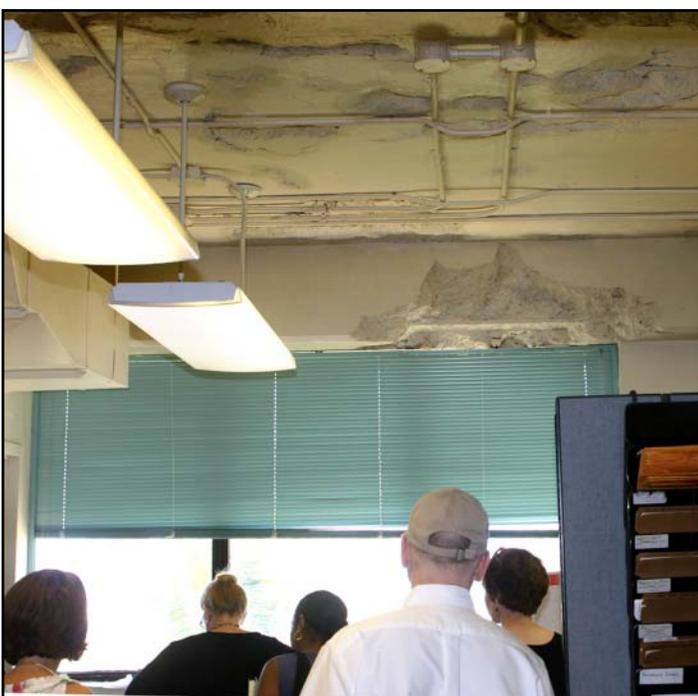
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Left to right, Kwajalein Hospital Nurse Manager Jackie Jones points out the limitations of the emergency room to Carolyn Bulliner and Lesa Poinsett, both U.S. Army Health Facility Planners during their visit to the island last week.

Army facility team produces plan in effort to fund and build a new Kwajalein hospital



The poor condition of the hospital infrastructure is evident from the crumbling concrete on the roof of the hospital administrator's office.

Article and photos by Dan Adler
Media Services Manager

Anyone with the slightest sense of observation who has seen the condition of Kwajalein Hospital's infrastructure knows one fact — the hospital needs to be replaced. Although the building is 'structurally' safe, the doctors and nurses who make up the professional, competent and caring medical staff are hampered by the severe limitations of the building they work in.

The seriousness of the situation has not been lost on the current SMDC and USAKA leadership. This need was further highlighted by the SMDC-sponsored Army Family Action Plan.

A team from the U.S. Army Health Facility Planning Agency, along with civilian structural contractors, were on island July 18-24 to look at the current hospital, estimate the cost of replacing it and to look for the best location to build a new medical facility. They were assisted in their efforts by Jim Landgraff, USAKA Directorate of Public Works and Walter Turner, USAKA Director of Community Activities, along with the hospital and dental staff.

The vital need for a new hospital was emphasized by Col. Frederick Clarke during the first in-briefing of a

See HOSPITAL, Page 12



Lt. Col. John Eggert speaks to the audience at the Change of Responsibility ceremony July 24. Eggert is taking over leadership of Reagan Test Site from outgoing RTS Commander Lt. Col. Harold Buhl, Jr.

Lt. Col. John Eggert takes over leadership of Reagan Test Site in July 24 ceremony

Article and photos by Dan Adler
Media Services Manager

On July 24, a first and a last occurred. Lt. Col. John Eggert became the first to be designated as Director of Reagan Test Site and Lt. Col. Harold Buhl, Jr., became the last to be designated as Commander of RTS. Buhl turned leadership of the range over to Eggert at the Change of Responsibility ceremony.



Lt. Col. Harold Buhl, Jr. gives a farewell address.

The event was attended by visiting dignitaries, including the Honorable John Silk, RMI Minister of Foreign Affairs, Bob MacCallum, the Charge' d' Affairs at the U.S. Embassy on Majuro and George Snyder, Site Director of U.S. Space and Missile Defense Command/ARSTRAT.

Maj. Steven Ansley, acting as master of the ceremony, welcomed all audience members to the event and asked them to stand for the playing of appropriate music, including the jaunty tune associated with the

7th U.S. Cavalry of the Old West, *Garry Owen*.

The entrance march, *National Emblem* began and the official party of Lt. Col. John Eggert, Col. Frederick Clarke and Lt. Col. Harold Buhl entered the chapel and took their places on the stage. The entire assemblage remained standing for the playing of the national anthems of the Republic of the Marshall Islands and the United States.

The invocation was then given by acting Protestant Chaplain Eric Fenton.

After the invocation, Trish Buhl was honored with a gift of "fully-bloomed pink roses for her service and support of her husband, RTS and the community during her tour here," according to Ansley. "The color pink is a combination of red, symbolizing the respect and gratitude from the organization for the sacrifices she and her family accepted and conquered in support of the range. The clear color of sweat and tears makes the red fade to pink, thus the color of the roses."

Trish also received a wut. Flower leis were given to her daughter, Reagan and son, Matthew.

Yellow roses and a wut were presented to Paula Eggert. Ansley explained the significance of the gifts, "The color yellow is a sign of welcome and friendship dating back to the earliest days of the Army. The budding flowers symbolize a new beginning and the anticipation of relationships that will in time blossom fully."

Ansley then read aloud from the order by Lt. Gen.

Kevin T. Campbell appointing Eggert to his new position as Director of RTS.

The transfer of the colors, signifying the change in RTS leadership, followed.

Michael Butler, Chief Engineer RTS Test Directorate, Buhl, Clarke and Eggert participated in the flag transfer tradition.

Following the transfer ceremony, Minister John Silk of the RMI took the podium. Silk said it was an honor to speak to the assemblage on behalf of the government and people of the Marshall Islands. He continued that U.S. Army Kwajalein Atoll had long played a role in the relationship between the United States and the RMI. Silk said the RMI has always been a partner in the security of both countries and that remains the same today. He congratulated Buhl on competing a successful tour at RTS and wished him well in the future. He also welcomed Eggert to his new assignment and said the RMI looked forward to working with him during his tenure on Kwajalein. Silk concluded by saying he was sure the relationship between the two nations would only grow stronger in the future.

Col. Clarke was the next speaker and praised Buhl for his role in leading RTS through 26 space missions, space surveillance, the reconnaissance support of more than 38 space launches, 55,000 space tracks and the imaging of more than 300 space objects. While doing all this, "Harry also had to find the time to develop and begin execution of an RTS transition operation plan,"

Clarke also noted that Buhl had increased the mission partner and customer base for the range including plans to bring THAAD and other Missile Defense Agency operations to Kwajalein. "Harry has set the



Trish Buhl, left, and Paula Eggert beam with smiles after being honored with the presentation of flowers and wuts.

standards for transition across all measures of success." He went on to say that Buhl's leadership "has been a magnificent achievement."

Clarke then thanked the Buhl family members, Trish, Reagan and Matthew for their support. He especially thanked Trish for her contributions to the community through her work with the school and Child and Youth Services.

He wished the Buhls the best of luck saying how much they will be missed by the community.

Clarke then turned his attention to the incoming Director of RTS and his wife. He noted that Eggert and his wife, Paula are no strangers to Kwajalein, both of them having lived and worked on island in the recent past.

"He [Eggert] brings a wealth of experience not only from his time here, but also in THAAD and Patriot/Meads missile systems."

Clarke said that experience will enable Eggert to transition the range according to the current plans. He concluded his remarks by welcoming the Eggerts back to Kwajalein and that he looked forward to not only working with them but having them as part of the community once more.

Lt. Col. Buhl took the podium to give his farewell address to the audience.

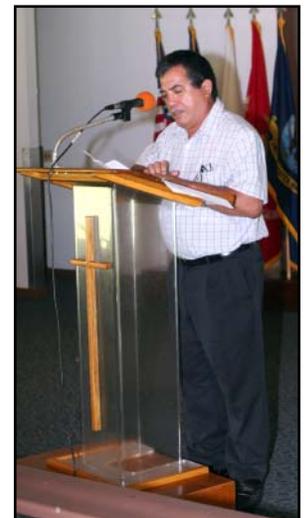
He began by saying how blessed he and his family have been to be on Kwajalein for the last two years.

"I have to thank many people," he said. "I'd like to start with my 'starter wife' of 21 years, who has been with me through all the good and all the bad."

He said his job involved a lot of hard work and a



Left to right, Lt. Col. John Eggert, Col. Frederick Clarke and Lt. Col. Harold Buhl, Jr. exit the chapel following the Change of Responsibility Ceremony July 24.



RMI Minister of Foreign Affairs, John Silk, speaks at the ceremony.

See EGGERT, Page 6

EGGERT from Page 5

lot of TDY which made it hard on his family and he thanked them for their support.

He thanked the leadership of USAKA, especially Col. Clarke, the Kwajalein Range Services team, MIT, SpaceX and other contractors both on and off island. He made special note of the many contributions of Dr. Ed Lyvers of MIT and Master Sgt. Daniel Perdue of USAKA.

Buhl said all that has been accomplished in his two-year tenure could not have happened without the teamwork and professionalism of all the players in the mission.

He emphasized that everyone on island has a role in making missions successful and that includes every worker and laborer on Kwajalein and Roi-Namur. He said the people on Kwajalein and Roi have met every challenge thrown at them.

Buhl noted that when he first arrived on Kwajalein, there were many changes being made and while change is always disturbing, the people he worked with rolled up their sleeves and did their jobs.

He said the days of planning missions two years out until “every bolt and every screw is in place is gone. The customers today want quicker action and we’ve been able to deliver it.”

He made note of a recent mission that had been accomplished within 36 hours. He also said the improved reputation of the range has spread and more customers now want to take advantage of not just ALTAIR, but all of the many and varied sensors available to them here and because of that, the customer base has increased.

Buhl said that change will continue and he asked that the community and contractors give Eggert the same support and cooperation that he had enjoyed.

He concluded by saying how much he and his family would miss the Kwajalein community.

Lt. Col. Eggert addressed the assemblage and congratulated the Buhls for the service and contributions they have made to the range and to the community.

He stated that he and his wife, Paula, are thrilled and honored to be returning to Kwajalein.

“A lot has changed. Icons such as the ‘50s-era metal trailers and the PBQ have met their timely demise,” he said. “But what has not changed is the remarkable

talent on this atoll — a team of all-stars that gets the job done.” Eggert noted that from the earliest days of missile testing, Kwajalein has been there to serve the country.

“To be a part of that team and heritage to work with these men and women in accomplishing the mission is humbling and one which I look forward to with great anticipation.”

He ended his remarks by thanking all of the military men and women who are out there serving the country, especially the noncommissioned officers.

Rev. Fenton gave the benediction using the ancient Irish blessing, “May the road rise up to meet you, may the wind be always at your back, may the sun shine warm upon your face and until we meet again, may God hold you in the palm of His hand.”

At the conclusion of the ceremony a reception was held in the Religious Education Building.

Lt. Col John M. Eggert was born in Casper, Wyoming and enlisted in the United States Army as a Nuclear, Chemical, Biological specialist in 1984. He served three years as an enlisted Soldier in the 3d Armored Division in Frankfurt, Germany and the United States Military Academy Preparatory School in Fort Monmouth, N.J., attaining the rank of Sergeant. He graduated from the United States Military Academy, West Point in 1990. He received his commission in the Air Defense Artillery, with an initial assignment to the 1st Battalion, 2d Air Defense Artillery Regiment, 18th Airborne Corps, Fort Stewart, Ga. His other early assignments include: Chaparral/Vulcan/Stinger Platoon Leader; Executive Officer; and Battalion Logistics Officer.

Eggert is a graduate of the Air Defense Artillery Officers Basic Course; the Short Range Air Defense Officers Course; the Air Defense Artillery Advanced Course; the PATRIOT Missile System Course; the Combined Arms and Services Staff College; the Command and General Staff College; the Army Acquisition Course; and the Program Manager’s Course.

In 1996, Eggert assumed command of Alpha Battery, 1st Battalion, 6th Air Defense Artillery Brigade, Fort Bliss, TX, which was one of two experimental Terminal High Altitude Area Defense (THAAD) units in the Army. In 1998, he served as an instructor for the Air Defense Artillery Officer Advanced Course. His follow-on assignments include: Test Director, Theater Missile Defense programs, Kwajalein Missile Range (1999-2000); Assistant Product Manager, Short-Medium Range Targets, Huntsville, AL (2000-2003); Assistant Product Manager PATRIOT PAC-3, Huntsville, AL (2003-2004); Department of the Army Systems Coordinator (DASC) for PATRIOT/MEADS, Pentagon (2004-2006); Special Assistant to the Director of the Army Staff, Pentagon (2006-2007). His most recent assignment is as the Executive Officer, Assistant Deputy for Acquisition and Systems Management (2007-present).

Eggert’s awards and decorations include: the Meritorious Service Medal 3d oak leaf cluster; the Army Commendation Medal 4th oak leaf cluster; the Army Achievement Medal 4th oak leaf cluster; the Good Conduct Medal; the National Defense Service Medal; the Global War on Terrorism Medal; the Army Service Ribbon; the Overseas Ribbon; the Army Superior Unit Award; and the Parachutist badge. He was also named the Army Tester of the Year in 2000 and the Engineer of the Year, Tennessee Valley, 2003.

He is married to the former Paula Conley from Hudson, MA.



Well-wishers greet the Eggerts at a reception in the REB.

Eleven servicemembers die in Iraq, Afghanistan

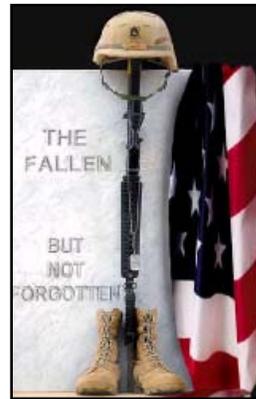
Four Soldiers died July 20 in Wardak Province, Afghanistan, of wounds suffered when an improvised explosive device detonated near their vehicle followed by an attack from enemy forces using small arms and rocket-propelled grenade fires. They were assigned to the 4th Battalion, 25th Field Artillery (STRIKE), 3rd Brigade Combat Team, 10th Mountain Division (Light Infantry), Fort Drum, N.Y. Killed were: **Sgt. Gregory Owens Jr.**, 24, of Garland, Texas; **Spc. Anthony M. Lightfoot**, 20, of Riverdale, Ga.; **Spc. Andrew J. Roughton**, 21, of Houston, Texas. and **Pfc. Dennis J. Pratt**, 34, of Duncan, Okla.

Spc. Raymundo P. Morales, 34, of Dalton, Ga., died July 21 in Methar Lam, Afghanistan, of injuries sustained during a vehicle roll-over. He was assigned to the 148th Brigade Support Battalion, Cedartown, Ga.

Two Soldiers died July 22 in Zabul Province, Afghanistan, of wounds suffered when an improvised explosive device detonated near their vehicle. They were assigned to the 4th Engineer Battalion, Fort Carson, Colo. Killed were: **Sgt. Joshua J. Rimer**, 24, of Rochester, Pa. and **Spc. Randy L.J. Neff, Jr.**, 22, of Blackfoot, Idaho.

Sgt. Ryan H. Lane, 25, of Pittsburgh, Pa., died July 23 of wounds suffered while supporting combat operations in Helmand province, Afghanistan. He was assigned to the 2nd Light Armored Reconnaissance Battalion, 2nd Marine Division, II Marine Expeditionary Force, Camp Lejeune, N.C.

Lance Cpl. Jeremy S. Lasher, 27, of Oneida, N.Y., and **Cpl. Nicholas G. Xiarhos**, 21, of Yarmouth Port, Mass., died July 23 of wounds suffered while supporting combat operations in Helmand province, Afghanistan. They were assigned to the 2nd Battalion, 8th Marine Regiment, 2nd



*Let them say of me
I was one who believed
in sharing the blessings
that I had received*

*Let me know in my heart
when my days are through
America, America,
I gave my best to you*

Lyrics from American Anthem in Ken Burn's *The War*

Marine Division, II Marine Expeditionary Force, Camp Lejeune, N.C.

Pfc. Donald W. Vincent, 26, of Gainesville, Fla., died July 25 of wounds sustained while supporting combat operations in Helmand province, Afghanistan. He was assigned to 2nd Battalion, 8th Marine Regiment, 2nd Marine Division, II Marine Expeditionary Force, Camp Lejeune, N.C.

Spc. Justin D. Coleman, 21, of Spring Hill, Fla., died July 24 in Nuristan Province, Afghanistan, of wounds suffered when enemy forces attacked his unit using small arms and rocket-propelled grenade fires. He was assigned to the 1st Battalion, 32nd Infantry Regiment, 3rd Brigade Combat Team, 10th Mountain Division (Light Infantry), Fort Drum, N.Y.



For jobs well done

Col. Frederick Clarke pins the Meritorious Service Award on out-going Reagan Test Site Commander **Lt. Col. Harold Buhl, Jr.** in recognition of his leadership at the range. Standing by is **Trish Buhl**, who was presented with a certificate of appreciation for her work and service in the Kwajalein community.

Photo by Dan Adler



Damage done to the seawall near the northeast end of the runway during the wave surge that hit Roi-Namur on December 8, 2008.

USAKA seeks funding for shoreline, wave protection on Roi-Namur island

By Sheila Bigelow
Associate Editor

For eight months, Roi-Namur residents have been worried about damages done to the island when a major wave surge hit their shores. Since then, USAKA has implemented temporary damage control measures and last week developed plans for future shoreline protection.

On December 8, 2008, a large wave surge hit Roi and caused major damage to the shoreline, infrastructure, housing, community buildings and runway. There was major flooding damage that reached the interior of the island. There was extensive damage to warehouse 8377 and its material contents, the Tradox building and the causeway area between Roi and Namur.

The west and northeast ends of the runway were

severely depreciated by the waves. Saltwater was forced under the seawall and blew out the top concrete causing major damage to the seawall and debris was thrown onto the runway. Runway damage was categorized as critical. Other crucial locations affected include the Speedball area, Telemetry dome facility 8323 and the lens wells. The lens wells are of major importance to the island and are designated as top priorities for repair and future protection.

When the damage occurred, USAKA immediately took action to keep further damage from affecting Roi. Crews used materials from the clean-up effort to make temporary repairs; debris that had made its way into the interior of the island was pushed back and made into makeshift berms to help prevent further flooding. Blocks of concrete were combined with rubble and dirt as a temporary reinforcement of the damaged seawalls. Chunks of concrete were piled up

underneath falling trees to keep them from crumbling onto the beaches and into the water.

While these temporary measures are holding up now, a plan needs to be put into action to further protect the shoreline from future wave damage.

A planning charette (an intensive review of the requirements for the projects) was arranged to assess the damage done to Roi-Namur and come up with a plan for future shoreline protection. Members attending the charette were from various Kwajalein Range Services departments, U.S. Army Kwajalein Atoll, U.S. Space and Missile Defense Command and Avila Government Services.

The charette was held during the week of July 14-18 to review the requirements and improve the cost estimate for Roi's shoreline protection and to complete the DD Form 1391 (Military Construction Project Data), a detailed analysis of the best way to provide shoreline protection in the future.

With Roi's low elevation, erodible composition, frequent change in size and shape, and exposure to sea swells from virtually all directions, an innovative plan had to be formulated to keep further damage from being done. Their concentration was to focus on mission assets, setting up shoreline protection to safeguard these priorities should another event like this happen in the future.

Weather research shows that an event like this is categorized as an '80 to 100 year event' with smaller storms affecting the area in between; however, these odds are not 100 percent accurate.

What's essential to note is that the event in Decem-



Photo by Sheila Bigelow

Temporary measures by USAKA after the wave surge hit Roi-Namur included pushing back debris that had made its way into the interior of the island during flooding into makeshift berms to prevent further flooding.

ber was an unforecasted low pressure system occurring some distance from Kwajalein Atoll that happened to have the right combination of current, tide and wind to cause such destruction. The frequency and degree of events such as this cannot be accurately predicted.

Col. Frederick Clarke indicated that the concentration must be on the mission assets instead of trying to predict where the next storm might hit. "We're not focused on where the storm might come from as much as where the (mission) assets are," he said. "It's not that other areas (archeological sites) are a lesser priority, it's just a different priority."

The charette team toured Roi to survey the damage done and examined the temporary measures that had been put into place immediately after the storm hit. After the team researched and brainstormed for five days, they formulated a plan to better fortify Roi's shoreline while minimizing the impact on the environment. On July 18 they out-briefed Col. Clarke and Sgt. Maj. Patrick Kutac on their findings.

There will be three approaches used in different areas of Roi-Namur for shoreline protection. The first will be a concrete rubble masonry seawall. It is a simple gravity structure that will run in front of the Tradex building and along the causeway from the Japanese pools to the telemetry radar, adjacent to the Speedball area. It will also help to protect the north shore near housing trailers. This seawall will be 12 to 14 feet above the existing



Photo by Sheila Bigelow

Blocks of concrete are piled up underneath falling trees, keeping them from tumbling onto the beaches and into the water. This was part of the temporary measures implemented by USAKA after a wave surge damaged shorelines on Roi-Namur in December, 2008.

shoreline.

The second approach will be breakwaters. There is about 3500 feet of shoreline that houses many of our mission critical assets. Instead of having to build seawalls around all of that area, the breakwaters will be installed to protect the entire causeway shoreline.

They will be a collection of three and four ton blocks piled up into long mounds about 150 feet from shore. There will be multiple mounds positioned in a row. The breakwater will break down wave energy before it reaches Roi's shoreline. The reduction in energy should be as significant as reducing six foot waves into 18 inch waves. This will significantly reduce the destructive force of the waves.

The breakwaters will be placed from just west of the north end of the runway around to about 100 feet west of the Tradex building. It will be about 150 feet out from the end of the runway. One will also be placed around the horseshoe pill box and circular blockhouse near the Speedball area.

This approach eliminates the need for construction in or around archeological and cultural sites in the causeway area. There is also no dredging or digging needed; all construction can be done right on top of the reef which will significantly reduce impact to the environment and reduce costs.

The third approach will be constructing a series of two foot high berms around critical sites such as the Tradex building and lens wells to redirect water away from the assets. It is impossible to stop all water from impacting the shoreline, so the idea is to reduce the amount of water from hitting near critical mission assets by controlling the water to a manageable level with the berms. These will be installed around the Tradex building, the lens wells and the causeway. The berms can be constructed quickly and could be a possible immediate solution until the other two approaches are viable.

These approaches are all conscious of the sensitive archeological and cultural resources that are located on Roi. Every approach will have a minimal environmental impact and will provide protection for the historical sites.

The five-day planning charette was just the beginning of the process to get this project started. A final project report will be submitted by August 14 and USAKA will continue to aggressively seek funding.

It appears the earliest the shoreline project can begin is in 2012 due to funding and other DoD projects already scheduled. In the meantime, USAKA is committed to sustaining temporary measures to ensure that Roi's shorelines, mission critical assets, and most importantly, its residents are safe.



Photo by Sheila Bigelow

A Japanese bunker that was carried onto the beach by the wave surge that hit Roi-Namur in December, 2008. Plans have been made to protect historical and cultural sites on Roi-Namur so they are not damaged if another wave surge should hit in the future.



Photo courtesy of Don Davis

The shoreline was badly damaged during the wave surge that hit Roi-Namur in December, 2008. The runway is a priority area to be protected in the upcoming shoreline protection project.



A solar eclipse occurred July 22 and residents on Kwajalein and Roi-Namur were lucky enough to see the eclipse at over 90 percent totality. Unfortunately, rain and clouds blocked most of the eclipse, but some were lucky enough to capture some amazing footage of the rare occurrence. Shown is the progression of the eclipse taken by Kevin J. Smart.



FLU PREVENTION TIPS

With the current concern regarding H1N1 Flu, a renewed emphasis on hand washing is one of the most important preventative measures to prevent the spread of germs. PREVENTION TECHNIQUES to reduce the spread of airborne and contact diseases:

- Always cover your nose & mouth with a tissue, dispose of the tissue and wash hands immediately.
- Do NOT reuse the tissue or place it in your pocket. If no tissue, use your elbow instead of hands.
- Wash hands for at least 10-20 seconds with warm soapy water. If not water, use an alcohol-based hand cleaner.
- Avoid touching your eyes, nose or mouth. Germs spread that way.
- Keep a social distance of at least 3 feet from other people.
- If you are sick and have a fever of 100.4, go to First Stop for medication and stay at home for seven days or at least 24 hours after symptoms subside.

For more information visit these WEBSITES:

<http://www.cdc.gov/swineflu/>

<https://blog.amedd.army.mil/tsg/?page=PostViewSingle&postId=102>

<http://www.cdc.gov/swineflu/pdf/brochure.pdf>

HOSPITAL from Page 3

three-day hospital planning charrette that took place July 21-23. Clarke told the members of the team, "There are a lot of things going on right now on this island, but nothing is more important than what you are doing. There are many people in this community who are glad to see you here."

Clarke also assured the planning team that anything they needed would be provided to them and he pledged everyone's cooperation with their work.

Landgraff explained the importance of a planning charrette (an intense design planning workshop). "A 1391 report, which will be produced by the charrette, is a sort of resumé outlining and defending the need for an expenditure," he said. "It's the cornerstone of the whole process. All of the stakeholders such as utilities, environmental, the fire department, telecommunications, information services and others who would be involved are consulted and their input is considered in the planning. At the end of the charrette, everyone signs off on it so nobody can come back later and say they didn't know about this or that. Without a charrette like this, it might take six months to get everybody together and agree on a plan."

This isn't the first time planners have taken a look at replacing Kwajalein Hospital. One study was done in 2000 and another in 2005. Not surprisingly, both reports concluded the hospital was in deplorable condition. The study done in 2000 called for the building of a new 37,000 square foot facility at a cost of \$33 million. But that plan was never 'pushed' and consequently it more or less withered on the vine as world events such as 9/11, Iraq and Afghanistan took center stage in importance and funding priorities.

But when Clarke took over as Commander of USAKA in 2008, one of his first commitments to the community was to better the quality of life on island which included among other things, renovating housing that could be 'saved' and by looking into the possibility of a new hospital.

Darryl Lambert, USAKA Medical Evaluator, said, "Col. Clarke has done a wonderful job in getting two senior leaders [Lt. Gen. Kevin T. Campbell and Maj. Gen. Gale S. Pollock, the Army Surgeon General] on board for this project. Things happen when you get top



Members of the planning team inspect the narrow, low-ceiling hallway in the hospital.

leadership involved."

Carolyn Bulliner, a planner with the Army Health Facility Agency agreed saying the project was being undertaken at "the request of both the Commander of the Space and Missile Defense Command and the Army Surgeon General. Hopefully, this will be a big step forward in getting this done."

Bulliner explained the team does the front end planning for medical facilities. "We go out and look at deficiencies, population growth and the technology they have or don't have. We look at every facility to see if their operation is doing well or if they need a new building or equipment. We look at the infrastructure to see if we can renovate the building or add on to the building. We work with the medical staffs of the facilities to understand what kind of space they need and how many doctors and nurses are required. We determine how many beds are needed. Just all of that stuff."

She added, "We're always concerned with cost, there's never enough money. These are huge, huge costs. The building here has had several studies [and two major renovations in the past] and everybody says no, it just needs a new building. Since Kwajalein is not an Army medical facility, it hasn't been on the radar, but we do understand that it is in very bad shape."

As to how a new hospital would be designed Bulliner said, "We have DoD planning criteria that we use as a guide. We put all of our information together and build a program on how big a building it needs to be. Architects and engineers decide on how much square footage a facility would need based on the criteria and information our team gathers. One of the main things we look at is the ability to expand because you never know what's going to happen in the future. So we have to look for a good site to build on too. You don't want to put a [Kwajalein] hospital down in the industrial area or in the family housing area. Each step of our planning gets more detailed and refined. We talk to people on site because we can get their attention while we're here. We'll have a pretty good estimate when we're done this week, but we may need to refine it a little more when we get back. Then the powers that be will have



The surgical area is looked at by the team.

to decide if it's fundable. If they decide it's too expensive, we may have to exclude dental and physical therapy, which at this point are included in the building plans."

The first day's series of meetings included the in-briefing for Col. Clarke and a series of interviews with the above mentioned stakeholders.

The second day was spent touring the hospital, the Dental Clinic and the Physical Therapy department. The team took one last look at the hospital infrastructure and interviewed doctors and nurses about their requirements and recommendations for a new facility.

They interviewed the Dental Clinic personnel and the physical therapist and got their concerns and input.

After touring the hospital and seeing its poor condition, one of the team members remarked, "I think we've got a pretty good argument for a new building here."

When day three of the charrette came, the team was ready to give an out-briefing on their report to Col. Clarke and USAKA staff.

Since obtaining funding is going to be an issue, the team's summary of their findings will emphasize the uniqueness of Kwajalein in both its remoteness (being more than 2,000 miles from the next nearest medical facility in Hawaii) and the one-of-a-kind work that is done here such as space tracking, monitoring foreign launches and missile testing. The summary will stress the importance of Kwajalein as vital to the defense of the nation and that both the importance and remoteness of the island require a proper medical facility with the capacity to serve the population's needs.

The team's 'resumé' will include the fact that the current hospital was built in 1951 as a Navy administration building. At that time, the bottom floor was not even enclosed and basically, the hospital is operating in a building that was never intended for such a purpose. Furthermore, the hospital cannot be accredited as it does not meet American standards of care [because of the building's limitations].

The team's report stresses the narrow main hallway with a very low ceiling and exposed utilities, the dangerous ramp to the second floor and the bad condition of the outside stairway to the second floor. All of

that can cause injury to patients and medical staff as well as impede escape in case of fire or other emergencies. In addition, there are not enough beds or enough space to handle a mass casualty incident. Water leaks from the ceilings could endanger vital equipment such



Water leaks in the ceiling of the laboratory could cause damage to vital equipment.

as that located in the laboratory. There is no hand-capped access and patient privacy is a concern in the small confined spaces with no proper exam rooms. In short, the deficiencies are many and some are serious.

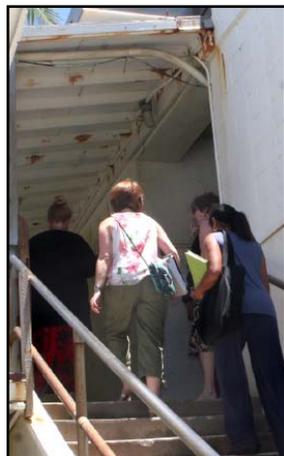
But it all comes down to money. In the 2000 study mentioned earlier, the estimated cost of a new hospital was \$33 million. But nine years later, that cost has gone up dramatically. The new plan calls for a two-story building on the site where the Yuk Club now stands. It would have elevators, more beds, much more space to utilize and all medical departments in the same building. It would be on an elevated site to protect against flooding from a storm surge. The estimated cost to build such a facility is substantially higher than the 2000 estimate. This is a lot of money, but the team said it's a 'bare bones' estimate.'

As Bulliner said, "It is now in the hands of the 'powers that be.'"

With the support of Lt. Gen. Campbell and Maj. Gen. Pollock, there is great cause for optimism that after many years and many studies, a new Kwajalein Hospital may actually become a reality.



Left to right, Dentist Ron Ruggiero discusses the Dental Clinic with Lesa Poinsett, Maj. Scott Shopa and Carolyn Bulliner.



The poor condition of the outside stairway at the hospital is evident.

HELP WANTED

KRS and CMSI Job Listings for On-Island Positions will be available at the Kwajalein, Roi-Namur and Ebeye Dock Security Check Point bulletin boards, the bulletin board by the Continental Travel Office, the Roi-Namur Terminal/Post Office bulletin board and at Human Resources in Building 700. Job Listings for Contract Positions will be available at www.krsjv.com, on the bulletin board by the Continental Travel Office and on the Roi-Namur/Post Office bulletin board. Full job descriptions and requirements for Contract openings are located online at www.krsjv.com.

NEED EXTRA MONEY? KRS employment applications are continually accepted for Casual Positions in the Community Services Departments, Medical Department and the HR Temp Pool. Some of the Casual positions are: Recreation Aides, Medical Office, Media Services Specialist, Substitute Teacher, and HR Temp Pool Office Support. Questions? Call 54916.

THE UNIVERSITY OF MARYLAND is looking for a biology instructor for face-to-face evening classes from August 24 to October 18. Classes are held at the High School two evenings per week, three hours per night. Instructors must have a masters degree. If interested, contact Jane Russel, jussell@asia.uconn.edu. Call 52800 Tuesday through Saturday 1 – 5 p.m.

WANTED

SIT-ON-TOP KAYAKS and kayak paddles. Contact e-mail, zorijoki@yahoo.com

Religious Services

Catholic

Saturday Mass, 5:30 p.m., in the small chapel.
 Sunday Mass, 9:15 a.m., in the main chapel.
 Mass on Roi is only on the first Sunday of the month at 12:15 p.m., in Roi Chapel.

Protestant

Sunday

8 and 10:45 a.m., on Kwaj and Roi-Namur service at 4 p.m.

Baptist

9:40 a.m., Sunday, in elementary school music room.

Latter-day Saints

10 a.m., Sunday, in

Corlett Recreation Center, Room 3.

Jewish services

Last Friday of the month in the Religious Education Building. Times will vary. Contact the Chaplain's office, 53505, for more information.

TALL FENCING for yard and a living room sofa. Call 54586.

HOUSE-SITTING situation, pets and plants preferred, short or long-term. Contact at zorijoki@yahoo.com.

CYSS IS SEEKING volunteer coaches for Youth Basketball for kindergarden through sixth grade, no experience necessary. Contact 53796 for more information.

FELLOW BRIDGE PLAYERS, any skill level. Call 52843 and leave a message.

PA SPEAKER SET and stand for small-scale private indoor/outdoor musical performance. Will pay reasonable price for used equipment. Call Dan Hopkins at 51460 or 52349.

SEA GLASS/BEACH GLASS. Don't just toss it away! I will buy your unwanted Kwaj Sea Glass/Beach Glass. Call Billy or Jane at 55269 after 5:30 on workdays, anytime weekends. If not home leave a message.

FAMILY-SIZE microwave in good condition. Call 53290.

PATIO SALE

MONDAY, 8 to 10 a.m. Quarters 435-B, clothing, dive equipment, bath towels, plants, kitchen items, Christmas, dishes, TV trays/stand, and golf clubs.

MONDAY, 7 a.m. - 12 p.m., quarters 432-A, household items, clothing, bike parts.

FOR SALE

WII AND XBOX 360 video games, \$10 each; new men's size 11 1/2 Rockport leather dress shoes, \$25; cordless phone, \$25; desktop Dell computer with 17 inch flat screen monitor and wireless keyboard/mouse, \$350 and a microwave, \$25. Call 54216 and leave a message.

TV, 32 inch, color with remote control and TV stand, \$300. Call 54803 after 4:30 p.m.

BOOTS, BRAND NEW leather Timberland Pro Series, size 10 wide, electrical shock hazard/ steel toe/anti-slip, comes with waterproofing material, paid \$130, asking \$65. Call 52434 and leave a message.

BOATHOUSE with boat cover, lot 305. Two month-old A/C. sturdy cover, 8 foot by 13 foot container with power, lights, etc, \$1,500; 225 horsepower outboard motor, Mercury EFI 2-stroke, good condition, lots of power, \$2,500, or best offer. Call Tyler at 52371.

DVD'S, CHEAP; over 200 movies and a DVD/VHS player, for best offer; microwave; toaster oven; coffee maker and a computer. Call Cory at 55525 or 53445.

HIGH CHAIR, \$20; infant car seat, \$30; tent, fits seven, \$30; high-definition DVD player with five HD movies, \$120; octagon free-standing baby fence, \$30; Baby Bjorn baby carrier, used twice, \$50; baby sling, \$20 and a Play Station 3 Component Cable, \$10. Call 52332.

ROLLING LITTER BOX, \$15; dress, formal, black, size 10, \$75; Bionaire air purifier with Hepa filter, \$75; full/queen duvet cover, new, \$35; small microwave, \$25; adjustable curtain rod and two sheer, black curtains, \$15 and a mirror with hardware to hang, \$5. Call 54778 and leave a message."

OLYMPUS C-3000 Digital camera, \$100. Call Sandy at 54152.

GRADY WHITE OFFSHORE, 24-foot, powered by new Yamaha 4-stroke 115 horse power engines, range of almost 300 miles on inboard tanks, aluminum trailer, Lee outriggers, GPS, VHS, radio, stereo and depth finder, \$45,000; 27-inch Hitachi TV, \$75; 20 inch Sun EZ Rider Recumbent trike, like new, paid \$1200, will sell for \$800. Call Dennis at home, 54489 or work, 51850.

BOAT 711, 31 foot Japanese style fishing boat powered by 27 horse power diesel with a 25 horse power Mercury outboard kicker, lots of holds for storage, VHF radio, stereo, bimini top and trailer, great for bottom fishing and diving, \$20,000. Call work, 51850 or home, 53711.

LEATHER TIMBERLAND Pro Series boots, size 10 wide, Electrical Shock Hazard/ Steel Toe/Anti-Slip, comes with waterproofing paste/liquid. Paid \$130, asking \$75. Call 52434 and leave a message.

OFFICE DESK, solid wood with 1/4 inch glass top, \$175; VTEC Cordless telephone system, four cordless phones, \$75; Sony v/o slim pro laptop computer with HP printer, \$150; Dell laptop computer with HP printer, \$150 and a TV, 19 and 29 inch, \$300 and \$200, respectively. Call 55625 or 52435.

GUITAR HERO GAME for Xbox, \$15; Guitar Hero Rock Band for Wii, includes drum set, guitar, microphone, \$130. Call 58209 or 55310 after 5 p.m.

HOTPOINT CHEST FREEZER, 9.5 cu., never used, perfect for BQ, \$150 or best offer. Call or email Amy Navarro 51416 or home 52301.

FLAT SCREEN LCD SVGA computer monitor, black, 19 inch, \$60. Call 54612.

AQUARIUM, 125 GALLON, with stand, all accessories included, very clean and ready to go, \$500 or best offer. Call 52680.

TOWELS, shower curtain liners, hair products, cleaning supplies, bedding, brand new bike. Call 52161, after 3 p.m.

HD DVD collection, more than 25 titles, new/unopened, \$7 each. Call 53290.

COMMUNITY NOTICES

UNACCOMPANIED, JOIN the Hang Time crew at our monthly BBQ. August 3rd, in the backyard of 435-A, 6 - 8 p.m. Gary's Southern BBQ Chicken will be grilling. No alcohol. Contact Gary or Cheryle at 51314 for more information.

CYSS YOUTH BASKETBALL registration is open

Café Pacific

Lunch

<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Aug.8</i>
Oriental stir-fry	Roasted potatoes	Minute steak	Couscous	Garlic bread	Spanish rice	Cauliflower
Oven fried chicken	Huevos rancheros	Mac and cheese	Liver and onions	Beef tortellini	Burritos and tacos	Fish sandwich
Vegetarian cheese quiche	Lemon basil chicken	Turkey broccoli stir-fry	Greek chicken breast	Italian chicken	Seafood enchiladas	Swedish meatballs
Grill: Brunch station open	Grill: Brunch station open	Grill: Pizza burger	Grill: Grilled cheese	Grill: Chili dog	Grill: Mexican fiesta	Grill: Ham and cheese

Dinner

<i>Tonight</i>	<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
Cajun dirty rice	Napa cabbage	Pork pimento	Mahi	Top sirloin	Egg foo yung	Collard greens
Grilled short ribs	Chicken supreme	Brown rice pilaf	Mashed potatoes	Twice baked potato	Sesame noodles	Savory pot roast
Tex-Mex stir-fry	Lyonaise potatoes	Tuna casserole	Kwaj fried chicken	Ratatouille casserole	Charsiu spareribs	Boiled red potatoes

MOBILE KITCHEN EVENT at Emon Beach August 15. Menu to include; sesame sweet BBQ pork with blue cheese over a bed of fresh greens, jalapeño corn bread, shrimp cocktail, mix vegetables, creole rice, Kentucky Bourbon flank steak with Cajun crawfish, water, beer and wine, and strawberry shortcake for dessert. Seating is limited. Cost is \$37.50 for meal card holder and \$42.50 for non-meal card holder. For payment see Marie Curtiss at the Retail Service Office building 805 next to the Bowling Center, 53933.

from August 4 to August 29. Open to boys and girls in grades kindergarten to sixth. The league dates are from September 10 to October 31. Contact 52158 for Registration Information. Contact 5-3796 for Sports Program Information

THE MIC SHOP is moving downtown! In preparation for our move, the Mic Shop is permanently closing the doors at its current location and moving next to Gold Mine Jewelry and Tropic Jewelry in the area formerly used by the DVD Depot. Join us for our grand re-opening celebration August 16. Ribbon cutting ceremony at 1 p.m. and extended hours until 5 p.m.

COUNTRY CLUB 'END OF SUMMER' Buffet Dinner is August 29. Menu to include; BBQ spare ribs, southern fried chicken, buttered corn on the cob, cole slaw, corn bread and frosted layered cake for dessert. Seating is limited. Cocktails served at 6:30 p.m., buffet dinner 7 p.m. Cash bar will be open. Bus service is available 6 p.m. to 11 p.m. from Ocean View to the Country Club and back. Cost is \$27.50 per person; for tickets see Marie Curtiss at the Retail Service Office building 805 next to the Bowling Center, phone 53933.

AA MEETINGS on Roi-Namur are now being held at 1:30 p.m., every Wednesday, in the KEAMS Training Room at the Terminal Building. Call Bill, 52338 or Marion, 55362.

IS TRAINING now has classes available for adults who do not have a CAC. E-mail cindy.brooks@smdc.k.smdc.army.mil for a schedule of classes.

WEIGHT MANAGEMENT Support Group meets at 5 p.m. every Friday in the Hospital Conference Room. The community is invited. Questions? Call 55362.

THE MARSHALLESE CULTURAL Center will be open 3-5 p.m. on Mondays in July and August. It will not open on Thursdays due to lack of volunteers. Questions? Call Sue Ellis at 54364.

Operation Security is everyone's responsibility

Be sure all classified documents and offices containing classified materials are secure. Practice good OPSEC.



USAKA is hosting an OPSEC Officer Training Course August 20-22 in CRC Room 6. This training is open to all Contractors, Civilian Government Employees and Military Personnel. This is not the basic annual training but instead the class will certify those who attend as DoD (all service recognized) OPSEC Officers. Graduates of this class will be authorized to be appointed as OPSEC Program managers/Officers, conduct annual training, etc. There will be room for 40 - 50 students. Cutoff date for registration is August 1 at noon. Send in reservation to MAJ Hinkle for the class. Send full name (rank if appropriate), phone number and division/section where you work. Questions: 5-4417 or email Ronald.hinkle@smdc.k.smdc.army.mil



THE ARMY VET will be on island until Aug. 3. Please contact Jenny at 52017 to schedule an appointment.

The Excess Property Processing Facility at the DCCB will suspend sales activity on July 21-22, and will resume August 4 - 5. Excess property receiving activities will continue as scheduled on July 14-16 and July 28-30, and viewing property for reutilization will continue to be by appointment only. Questions? Call 51770.

Projected menu-subject to change

Café Roi

Lunch

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Aug. 8
Stuffed pork	Barbecued brisket	Ginger chicken	Carne al pastor	Roasted pollack	Pork stir-fry	Ropa viejas beef
Southwest chicken pasta	Buffalo wings	Chickpea curry	Arroz rojo	Hamburger steak	Hunan-style fish	Cuban pork stew
Huevos rancheros	Eggs andalouse	Mashed potatoes	Frijoles	Mac and cheese	Szechuan chicken	Red beans and rice
Grill: Brunch station open	Grill: Brunch station open	Grill: Ham and Swiss	Grill: Tacos/burritos	Grill: Turkey & cheese	Grill: N/A	Grill: Cuban sandwich

Dinner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Aug. 8
Beef/sausage lasagna	Ginger lime pork	Lamb with lemon	Grilled steak	Cornish hens	Roast pork	Braised beef
Pork cutlett picatta	Asian chicken	Orange chicken	Chicken breast	Penne with veggies	Roi Fried chicken	Chicken Parmesan
Spinach lasagna	Curried noodles	Fried rice	Roasted squash	Parsley egg noodles	Mashed potatoes	Pasta a la Fiorentina

AAFES celebrates 114th birthday

AAFES press release

On July 25, 1895, the War Department issued General Order number 46 directing post commanders to establish an exchange at every post where practicable. As the Army and Air Force Exchange Service marked its 114th birthday July 25, the military command's mission remains basically the same: provide quality goods and services at competitively low prices and generate earnings to support Morale, Welfare and Recreation programs.

Today, AAFES relies on more than 3,100 facilities in all 50 states and

more than 30 countries to extend the exchange benefit to Soldiers and Airmen serving in almost every corner of the globe. In fact, more than 450 AAFES associates are deployed to Operations Enduring and Iraqi Freedom, actively delivering a slice of Americana to troops through 92 retail stores, 69 phone centers and more than 235 fast food restaurants scattered throughout the region. Just like the merchants who supplied provisions to America's troops in the late 1800s, deployed AAFES associates live and work alongside the troops they serve.

"The scope, breadth and intensity

of AAFES global operations demonstrates the expeditionary and mission support capabilities to 'go where you go,'" said AAFES' Senior Enlisted Advisor Chief Master Sgt. Jeffry Helm. "This commitment is at the root of our continuing effort to develop a lifelong, emotional connection with military shoppers."

Since its establishment in 1895, AAFES has been involved in 14 major contingencies (to include the Spanish-American War, WWI, WWII, Korea, Vietnam, Grenada, Panama, the Balkans and Operations Enduring and Iraqi Freedom) as well as several dozen humanitarian and disaster relief contingencies.

Fire Department gives evacuation drill tips

Hourglass Reports

Legislation requires that evacuation drills must be carried out in the workplace, but in the home it is up to the parents to take the initiative. Evacuation drills can help in saving lives but to be really effective, they must be practiced frequently and everybody must be familiar with the drill.

Involving children could be a positive step in overcoming complacency and making evacuation drills a regular event in family life.

By turning the drill into a game for all the family, children will learn what to do in the event of a fire and will want to repeat the exercise again.

To interest them in the game that could save their lives:

- Appoint a 'fire officer' to alert other family members and rotate monthly
- Choose a day when the whole family will be at home

- Play evacuation drill every month
- Assess each evacuation drill and keep a chart to record improvements
- Compliment family members whose reaction times are good

While it is important to make this fun you should always impress on children the seriousness of what they are doing and why.

An Evacuation Drill

At regular unannounced intervals activate the smoke alarm; everyone should then carry out their pre-assigned tasks.

- Get young children and the elderly out first
- Check that everyone has arrived at the pre-arranged meeting point
- Simulate a call to the fire department

The Fire Department is here to help in any situation. If you feel the need for help, please do not hesitate to call 9-1-1.

Weather courtesy of RTS Weather

Sunday: Partly sunny, 20 percent showers. **Winds:** ESE-SSE at 7-14 knots.

Monday: Mostly sunny, 10 percent showers. **Winds:** ESE at 5-10 knots.

Tuesday: Mostly sunny, 10 percent showers. **Winds:** E-ESE at 3-8 knots.

Wednesday: Partly cloudy, 20 percent showers. **Winds:** ENE-ESE at 5-10 knots.

Thursday: Partly sunny, 20 percent showers. **Winds:** ENE-E at 10-15 knots.

Friday: Mostly sunny, 10 percent showers. **Winds:** ENE-E at 5-10 knots.

Aug. 8: Partly cloudy, 20 percent showers. **Winds:** ENE-ESE at 5-10 knots.

Annual total: 24.44 inches

Annual deviation: -22.92 inches

Call 54700 for updated forecasts or visit www.rts-wx.com.

Sunrise/set Moonrise/set High Tide Low Tide

	Sunrise/set	Moonrise/set	High Tide	Low Tide
Sunday	6:40 a.m./7:11 p.m.	11:05 a.m./11:15 p.m.	6:52 a.m., 4.5' 7:19 p.m., 3.9'	6:42 a.m., -0.4' 1:11 p.m., -0.5'
Monday	6:40 a.m./7:11 p.m.	11:56 a.m./11:59	7:28 a.m., 4.0' 7:59 p.m., 3.6'	1:19 a.m., 0.0' 1:45 p.m., -0.1'
Tuesday	6:40 a.m./7:11 p.m.	12:48 a.m.	8:04 a.m., 3.4' 8:44 p.m., 3.3'	2:03 a.m., 0.5' 2:19 p.m., 0.3'
Wednesday	6:40 a.m./7:11 p.m.	1:39 p.m./12:45 a.m.	8:44 a.m., 2.7' 9:41 p.m., 3.0'	2:55 p.m., 0.9' 2:56 p.m., 0.7'
Thursday	6:40 a.m./7:11 p.m.	2:32 p.m./1:32 a.m.	9:43 a.m., 2.2' 11:12 p.m., 2.8'	4:14 a.m., 1.3' 3:51 p.m., 1.1'
Friday	6:40 a.m./7:10 p.m.	3:24 p.m./2:22 a.m.	12:01 a.m., 1.9' 5:39 p.m., 1.2'	6:35 a.m., 1.3' 5:39 p.m., 1.2'
Aug. 8	6:41 a.m./7:10 p.m.	4:15 p.m./3:12 a.m.	1:00 a.m., 2.9' 2:01 p.m., 2.1'	8:14 a.m., 1.0' 7:25 p.m., 1.1'