

VOLUME 59 NUMBER 29

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# THE KWAJALEIN HOURGLASS



RESTING IN THE SURF IS AN EXAMPLE OF THE WWII-ERA SHORELINE SCRAP METAL SET TO BE REMOVED IN A CURRENT REMEDIATION PROJECT ON KWAJALEIN.

○ JORDAN VINSON

## THIS WEEK

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**ATHLETES TALK**  
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1) KFS Operational Director Sam Tayloe is on the scene of the shoreline metals removal project. 2-3) A front loader clears and settles land to make ready for a shoreline revetment.

# HEAVY METAL CLEAN-UP

**HOURLASS REPORT**

As part of its commitment to uphold environmental standards, U.S. Army Garrison-Kwajalein Atoll is removing World War II-era metals from Kwajalein’s western shoreline.

The project is being conducted by KFS Engineering. On island, Environmental and Operational Director Sam Tayloe oversees the clean-up effort.

“We’re working on the Navy dump removal project,” said Tayloe. “We’re going to remove all of the metal along the shoreline, and we’re going to create a revetment (a rock wall) to stop waves and reduce erosion. We’re going to remove all of the metal from the reef flat and cut a key way to cut all of the rock in its place.”

When the KFS team arrived in May, they were unsure of what they would find in the ground along the shoreline.

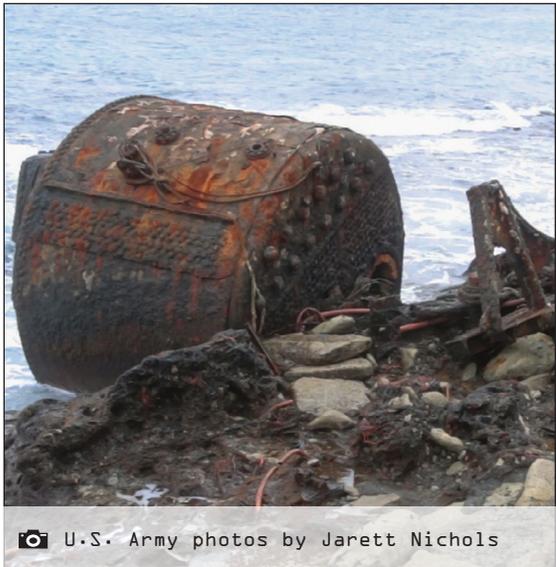
“There was a lot of clean coral sand and a little bit of trash,” said Tayloe. “We thought it would be a big Navy dump. It turns out it’s more of a backfill.”

The site is approximately three acres of land. Tayloe said the revetment will be about 2,000 feet in size.

To get the job done, Tayloe and KFS are working in a team of eight employees.

“We’re working with Nan, Inc. as a subcontractor—a great group of contractors and RMI employees,” said Tayloe. It’s a great group of guys. They work very hard.”

KFS is still at work preparing the site for the revetment. There’s still more to be done, but an expected shipment of mowers, excavators and equipment will assist the team in the effort to clean-up the shoreline.



U.S. Army photos by Jarett Nichols

A jagged pile of metal set for removal by KFS as part of the shoreline metals clean-up project.

## THE KWAJALEIN HOURLASS

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. The Kwajalein Hourglass is an authorized publication for military personnel, federal employees, contractor workers and their families assigned to U.S. Army Garrison-Kwajalein Atoll.

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# KWAJ IS FOR SWIMMERS



**LEFT:** Kwajalein swim coach Sarah Stepchew gets ready to begin a training session at Emon beach in early July with six of Kwajalein's competitive swimmers. **AT RIGHT, FROM LEFT:** Kayla Hepler, Annie Hepler, Colleen Furgeson, Daniel Ranis, Phillip Kinono and Taururu Naut.

📷 U.S. Army photos by Jessica Dambruch

NEWS/JESSICA DAMBRUCH

**Six competitive swimmers from Kwajalein Atoll are training for their next international competitions with volunteer coach Sarah Stepchew. With more than 25 years of swim experience between them, the swimmers are confident and comfortable in the water as they prepare for the next big race. The Kwajalein Hourglass met with the team just before a training day at Emon Beach to ask what it's like to swim for the gold.**

**Kwajalein Hourglass:** For those of you who have competed in the Olympic Games and recently in Papua New Guinea, can you please tell us what that was like?

**Kayla Hepler:** For me, it was scary at first. I had never done a long course before. But it was very fun.

**Colleen Furgeson:** PNG was fun. We (Annie Hepler and I) competed in 2015. We enjoyed seeing our friends and our family. Representing the RMI is always fun especially with teammates that you like and get along with.

**Annie Hepler:** The pool is great; com-  
*The Kwajalein Hourglass*

peting is great. A lot of good swimmers this time around. The country is beautiful, so I really enjoyed this meet. I competed in the London 2012 games. It was a little scary at first. I was only 16 years old. But it was a great experience and I wouldn't have had it any other way.

**Daniel Ranis:** I was nervous at first. I did my first event in PNG. It was really good just to represent my country.

**HG:** Sarah, why is swimming the sport you are passionate about?

**Sarah Stepchew:** I think swimming offers a lot of benefits. You can do it till you're 100 years old, and it's one of the best exercises you can do that's a full body exercise. And I find that it's a good way to reduce stress, for myself, personally. I think it's a really good way to get exercise. You're competing against yourself. It can be both a team sport and an individual sport.

**HG:** Swimmers, how does it make you feel to represent the RMI as athletes? It's very exciting for us, back home, to cheer you on.

**Colleen:** It's always an honor representing your home country. I love see-

ing everybody and how happy they are when we arrive for a swim meet, because it makes me feel happy that they are happy. They've chosen to represent their country. And I like how they follow us up and ask how our swims are. They care about us.

**HG:** Did any of you think you'd become competitive swimmers?

**Annie:** For me, I think I knew I was going to become a competitive swimmer. My mom got me into swimming and the Kwajalein Swim Team right away. Right after I became eligible I was off to an international meet. I think I was kind of born into it.

**HG:** What is your training regimen like? Any words of wisdom for new swimmers?

**Kayla:** I would say, just keep on swimming. Don't let anybody get in your way.

**Colleen:** Anything is possible. Swimming is super hard. We all know it. The training is difficult. It's a pain waking up at 6 a.m. or earlier than that. I think if your goal is to competitive swim, anyone can do it. Also—join the Kwajalein Swim Team!



U.S. Army Photos by Jessica Dambruch

*Roi-Namur Water Plant Treatment Operator Carol Golby-Saunders prepares to check out a water sample at the Roi Water Treatment Plant.*

# SCIENCE WITH A SPLASH AT THE ROI WATER PLANT

NEWS/JESSICA DAMBRUCH

*If you think you know about water, you should meet Carol Golby-Saunders. The water operator has worked as the Roi-Namur water treatment plant for six years making sure the H<sub>2</sub>O is top notch for consumption. With her background in environmental testing, Golby-Saunders can clue you in on how USAG-KA water treatment works before you ever turn on the faucet. It's such a good science story that the Kwajalein Hourglass traveled to Roi to ask Golby-Saunders about it.*

## WORKING WITH WATER

**One might** call it a dream job. Every day, Golby-Saunders dons protective UV-gear and checks out the water on Roi.

The water work takes her outside, in and around Roi-Namur's water treatment plant, an interlinked system of fa-

cilities and computers working together to intake brackish water and turn out purified, potable water. On any given day, the operator might be conducting tests indoors or sweeping algae and dust from outdoor water catchments, where Roi stores rainfall.

The raw water collected in the catchments water flows through pipes to a pump house that sends the water to holding tanks. Coagulant is added to water pulled in from influent pumps, and blended in a flash mixer device. From there, water is pumped into an absorption clarifier where small amounts of polymer are added to make dirt clump together for easier filtering.

That's when computers come in handy, says Golby-Saunders.

"As particles clump, we have a head pressure buildup. The PLC (computer system) logic knows it's time to do a flush or backwash."

Water is pulled in to the filters from the clear wells where it fluidizes the filter media to wash away dirt particles.

From there, the dirty water heads to drying beds that resemble square-foot plots of grass. These beds are designed to catch the remaining dirt and particulates with an extra twist.

"We have sand that covers the surface area (of the drying beds)," says Golby-Saunders. "Dirt [there] is flushed down to an outdoor pit."

At this point in the process, the water is cleaner, but it's still not drinkable. Dirt is flushed down again, out through a drop, and comes back up to a filtration area where layers of coarse material such as coal and sand catch bigger particles of dirt.

Once clean water leaves the filtration unit, it is pumped into granulated activated carbon units. Inside the main water treatment station, soda ash is added for corrosion control, and chlorine for disinfection.

Then the water flows back to the Roi treated water tanks where potable, clean water is stored before being sent out to the distribution system—the faucets, spigots and showerheads of Roi.

If that's not enough water, Golby-Saunders says during the dry season the plant can make use of a computerized reverse osmosis system to keep up with the demand for clean water.

## THE OPERATOR SPEAKS

**Kwajalein Hourglass:** *How did you get into working with water?*

**Carol Golby-Saunders:** I always liked science. My mother was a nurse. She encouraged me to study biology and whatever science I could get my hands on. I received a biology degree and worked for government contractors in different testing facilities, [doing everything from] X-raying ammo to testing oils and soils in a government lab.

**HG:** *How did you decide to work on Kwajalein?*

**CGS:** My husband and I found out about Kwaj. We were both scuba divers and water treatment was a job that fit into what I like to do. I got my water license and was able to get a job out here.

**HG:** *Compared with the Kwajalein Water Plant, do you think the Roi filters pick up different things?*

**CGS:** We're going to see same types of things [like] dissolved solids and dirt.



*A Roi water catchment shimmers under the hot afternoon sun.*

Kwajalein has a catchment system as well, and the process is very much the same. Our plant here on Roi is smaller than [it is] on Kwajalein.

**HG: How long does it take to complete a water test?**

**CGS:** It doesn't take very long. We have beakers we collect samples from, our sink tap [first tap], from the clear wells. We check our coagulant to make sure the coagulation process is good. We check water leaving the filter unit. We see the beginning, middle and end process.

We also collect bacteria samples once per week. We have location sites where we have special bottles for the bacteria. We send them down to the hospital and they run an analysis and they let us know if we have any bacteria. Normally we don't [have any].

**HG: How does the water treatment system account for seasons with little rainfall?**

**CGS:** Our lens wells out on the golf course area are shallow wells. Rainwater floats through the ground and settles on top of brackish salt water. We can pull the lens water out.

We also have the capability of sending our catchment water to the lens wells to replenish them. That gives us a bit of a cushion so that in the dry season, we can use that water to run through the

reverse osmosis system or through our Tri-Mites until the solids get a little difficult to treat. Then we move over to the reverse osmosis system. We check chlorides every time we run the wells and also once a week, all year round.

**HG: The atoll is hot. How much water do you drink every day?**

**CGS:** I typically drink at least 72 ounces and sometimes a gallon. If I'm spending a lot of time out on the catchments, I drink water throughout the day. I recommend at least eight glasses for everybody.

**HG: How do you recommend residents of USAG-KA go about water conservation?**

**CGS:** If you see a leaky faucet dripping anywhere, if the toilet's running, call [in] a service order during the day or after hours. The plumbers will take care of any kind of faucet problem. Don't let the water run. Minimize the amount of time you spend in the shower. Try not to leave your garden hose on for too long.

On Kwaj you have non-potable water. Up here [on Roi] you water your garden with potable water. Another nice thing: on Kwaj, we have a saltwater swimming pool. We aren't wasting fresh water.

**HG: What advice would you give to future scientists about how to seek careers in science?**

**CGS:** Think beyond the box, as the saying goes. Look at other jobs besides just nursing, teaching or becoming a doctor. There are a lot of cool things on some of the government websites. I found out about working in government labs where I tested oil and soil. That opened my mind to lots of new equipment, testing methods and standard methods.

I also had the opportunity to work for Caterpillar at one time. We worked in a lab. We would analyze the parts that came in, cut up the parts and look at the metal alloy content and make sure the suppliers were providing us with the proper ASTM specifications. If they weren't right, we would reject them, and they would have to remake their parts.

There are lots of industrial opportunities out there. I like my job because I get to be outside and be inside. I've always enjoyed messing with chemistry types of things, so this is the job for me.

**HG: Is there anything else you would like to tell us about how the water works?**

**CGS:** One cool thing I didn't mention about our reverse osmosis system is the brine is very salty. We send ours to the saltwater discharge, and it's used for cooling the radars, part of the saltwater intake system. So that brine is recycled. Pretty cool, huh?





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U.S. Army photos by Jessica Dambruch



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Courtesy of Michael Taylor



5

Courtesy of Robert Kent



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1) Coconut trimming at the Kwajalein Golf Course continues throughout July and August. 2) Katherine Shelton, left and Jana Marks Shelton enjoy the Kwajalein Scuba Club PADI Women's Dive Day, July 23 at Emon Beach. 3) Volunteer barista Jana Montoya makes hot chocolate for the Miller clan during the Women's Dive. 4) The USAG-KA community offers congratulations to Kwaj kid Garrett Taylor. Taylor graduated from U.S. Army Basic Combat Training June 20 at Fort Jackson in South Carolina. He is now in AIT training at Fort Gordon in Augusta, Georgia. 5-6) Robert Kent is back in the Roi Hobby Shop making fused glass and ceramic and glass creations.

# HEALTH WORKSHOPS

## HOURLASS REPORT

**When supplies** are limited, you may experience an innate urge to stock up. However, there is a vast difference between keeping three extra boxes of cake mix in your cabinet and holding on to every piece of scrap paper.

Sometimes people can become lost in their clutter and associate value and meaning with items others may not understand. It may happen to you or someone you know. Either way, it is a difficult trait to confront.

Answer the following questions to see if help may be necessary:

- Are your friends or family constantly asking you to get rid of things?
- Have you run out of space to walk through your quarters without interference?
- Is there reluctance or refusal to give back borrowed items?

If you or someone you know presents with any of these characteristics, support is available. Contact the EAP for any further questions or assistance. 5-5362.

### **Upcoming Health Class information**

The Kwajalein Hospital offers weekly half-hour health promotion sessions on a variety of topics pertaining to behavioral health. Please join for any of August's health topics. Meetings will be held in the Kwajalein Hospital Conference Room at 8 a.m.

#### **August 1**

The Habits of Happy People

#### **August 8**

Anxiety and the Internal Warning System

#### **August 15**

Thought Patterns Keeping You "Stuck"

#### **August 22**

Learning How to Talk So People Will Listen: Steps to Better Communication

#### **August 29**

Replacing Unhealthy Habits:  
Setting Goals and Taking Charge

**Weight Management Group:** Meet in Hospital Conference Room at noon every Tuesday (from August 7 through September 25. Learn strategies and tools for weight loss at any level.

# LASER WEAPONS BRING SHARP ADVANTAGES TO BATTLEFIELD

## EXTERNAL REPORT

By David Vergun  
Army News Service

**The Army and Navy** are increasingly incorporating laser weapons on a limited number of platforms and training exercises, according to Matthew Ketner, branch chief of the High Energy Laser Controls and Integration Directorate at the Naval Surface Warfare Center Dahlgren Division, Virginia.

Ketner spoke about these emerging laser technologies [in June] during Lab Day at the Pentagon.

### **Army-Navy Lasers**

For its part, the Navy placed a 30-kilowatt laser onboard the USS Ponce, an amphibious transport dock ship, in 2014. The laser has been tested extensively and is authorized for defensive use.

The Army, meanwhile, is testing lasers to bring down unmanned aerial vehicles, according to Ketner.

In one training instance, a 10-kilowatt laser was placed on a Heavy Expanded Mobility Tactical Truck and tested during a Maneuver Fires Integrated Experiment at Fort Sill, Oklahoma, in April 2016. The laser successfully shot down a number of unmanned aerial vehicles, also known as UAVs.

In February and March of this year, the U.S. Army Space and Missile Command shot down a number of UAVs with a 5-kilowatt laser mounted on a Stryker during the Hard Kill Challenge at White Sands Missile Range, New Mexico.

The purpose of the Hard Kill Challenge "was to assess and look at technology... to do a 'hard-kill' shoot down of Group 1 [UAVs] and inform decision-makers on the current state of technology and how it can deal with single and multiple targets," said Adam Aberle, SMDC High Energy Laser Division technology development and demonstration lead.

The Army recognizes that high-energy lasers have the potential to be a low-cost, effective complement to kinetic energy, he said. Lasers have the potential to be more effective at addressing rocket, artillery, mortar, or RAM threats, as well as unmanned aircraft systems and cruise missiles.

### **Lasers: Silent, Invisible**

On the plus side, lasers are silent and invisible to the human eye and are thus hard to detect by the enemy, Ketner said.

Also, a laser has a near-perfectly straight trajectory, unlike the arc of an artillery round, which allows the laser to be much more accurate in finding its target.

Ketner also pointed out that a laser beam can also be scaled to the object in question, as he showcased a display of items that were hit by a laser. The objects included steel plating, aluminum, copper, carbon fiber and Kevlar. Other display items included a fried circuit board, a destroyed fixed-wing UAV and quadcopter, all victims of the laser beam.

The power of the beam can be adjusted for any material, he said. There's even a non-lethal adjustment for human targets.

So far, lasers have taken out cruise missiles, mortars and other projectiles during testing, Ketner said.

One downside, he noted, is that lasers take a lot of energy and have difficulty penetrating haze, dust, smoke and materials with anti-laser coatings.

But overall, Ketner said, lasers remain a valuable tool in the military's arsenal.

"Unlike a traditional gun," he added, "lasers don't run out of bullets."

**U.S. Department of Defense article found at:**  
[www.defense.gov/News/Article/Article/1229046/laser-weapons-bring-sharp-advantages-to-the-battlefield/](http://www.defense.gov/News/Article/Article/1229046/laser-weapons-bring-sharp-advantages-to-the-battlefield/)

**KWAJALEIN RECLAIMED  
WATER STANDARD VIOLATION**

The Reclaimed Water Document of Environmental Protection (DEP) requires public notification when reclaimed water standards are violated.

The reclaimed water system showed lower than normal residual chlorine levels resulting from industrial chemicals introduced to the Kwajalein wastewater treatment plant through the sewer system. June 13-19 the residual chlorine in the distribution system was below 0.5 parts per million (ppm).

The reclaimed water system is required to maintain residual chlorine greater than 0.5 ppm in 95 percent of monthly samples. Because of the upset conditions, only 90 percent of the samples for June were above 0.5 ppm. Residual chlorine levels were back above 0.5 ppm on June 20, 2018. Residual chlorine is evidence of effective disinfection, but can be affected by various chemicals entering the waste water plant.

Water samples were tested for bacteria at every low chlorine incident. No harmful bacteria were detected at any time.

No health-based restrictions on the normal use (irrigation, vehicle washing, etc.) of reclaimed (or non-potable) water were necessary. Additionally, there was no threat to public health or the environment as a result of this exceedance. If you have any questions, please contact the DynCorp International Environmental department at 5-1134.

**VIOLATION IKIJEN KAKIEN EO LON  
RECLAIMED WATER EO ION KWAJALEIN**

Ekkar non pepa eo naetan Reclaimed Water Document of Environmental Protection (DEP) kojella ej aikuj koman non public elone kakien ko ikijen tiljek im erre in dren emoj aer rub.

Level in turbidity eo ar walal lok jen jonan eo ekka an ped ie itok wot jen kain chemical ko jet rej dre lone Kwajalein wastewater treatment plant eo. Jen June 13 non 19, 2018, jonan chlorine eo ear jermal edrik (0.5 ppm) ako ilo mol aikuj laplok jen 0.5 ppm jen 95 percent in sample ko rej komman aolep allon. Im kin an jab jejtot jermal ko rar walok, 90 percent in sample ko jen June rar ella jen 0.5 ppm.

Ilo June 20, 2018 ekar rol level in chlorine ko im laplok jen 0.5 ppm. Turbidity ej jonan an lim dren eo im ej itok jen particles (etoon) ko im jej maron loi kon mejed. Ejelok enaan in kakkol ej aikuj koman non kaboajak dren ko im jej kojerball aolep raan non wutidrikrik kein eddok ko, kwalko wa, im jermal ko jet. Kakobaba lak, ejelok kauwatata im emaron jelot ejmour im ijoko ibelakid enaj walok kon an kar le ilon in jonok eo. Ne elon kajitok, kir DynCorp Environmental department ilo 5-1134.

**NOTICE OF AVAILABILITY FIBER OPTIC  
CABLE REPAIR/REPLACEMENT  
OPERATIONS OFF KWAJALEIN ISLAND  
US ARMY GARRISON –KWAJALEIN ATOLL  
REPUBLIC OF THE MARSHALL ISLANDS  
DRAFT ENVIRONMENTAL ASSESSMENT**

Pursuant to the National Environmental Policy Act (NEPA); the Council on Environmental Quality regulations for implementing the procedural provisions of NEPA (40 Code of Federal Regulations [CFR] 1500-1508); Department of Defense (DoD) Directive 4715.9, Environmental Planning and Analysis; 32 CFR Part 651, Environmental Planning and Analysis; the United States (U.S.) Army Space and Missile Defense Command/ Army Forces Strategic Command (USASMDC/ ARSTRAT) prepared an Environmental Assessment (EA) analyzing the potential environmental effects the effects of the replacement of a fiber optic cable on the southwest side of Kwajalein Island, Republic of the Marshall Islands (RMI).

The fiber optic cable experienced abrasion and failed near the Kwajalein Island cable landing site and required immediate repair. This cable is part of a critical Pacific communications network that links in various Micronesian islets, and its failure greatly affected resident and mission related communications. This EA also considered the alternative of No Action.

If this alternative had been chosen, the US-AG-KA would have been without critical communication capabilities and the Federated States of Micronesia and the RMI would have been without internet capability. On-going and future activities for which potential environmental effects have been analyzed and documented would continue. Following analysis of the Proposed Action, the USASMDC/ ARSTRAT determined that no significant environmental impacts resulted from the repair activities. The Draft Finding of No Significant Impact (FONSI) and the Draft EA are available for a public review from July 27 to August 27, 2018, at the following locations:

Grace Sherwood Library Kwajalein Island USAG-KA	RMI Environmental Protection Authority Majuro, RMI
Roi-Namur Library Roi-Namur Island USAG-KA	RMI Environmental Protection Authority Ebeye, RMI

Interested parties can also review the draft FONSI and the draft EA and provide comments on the internet at [https://tbe.com/Kwajalein\\_Fiber\\_Optics\\_Cable\\_Repair\\_Documents\\_for\\_Public\\_Review](https://tbe.com/Kwajalein_Fiber_Optics_Cable_Repair_Documents_for_Public_Review). Submit written comments via email (preferred) to [david.c.hasley.civ@mail.mil](mailto:david.c.hasley.civ@mail.mil) or by regular mail to: USASMDC, Attn: David Hasley, Post Office Box 1500, Huntsville, AL 35807-3801. All comments must be received no later than August 27, 2018, to ensure they are included in the record for this project.

**KOJJELA BWE EWÖR RIPOOT JERBAL IN  
KÖKÄÄLE TO IN JAROM EO ITULIK IN MALO  
IN KWAJALEIN US ARMY GARRISON-KWA-  
JALEIN ATOLL REPUBLIC EO AN MARSHALL  
ISLANDS EKATAK EO KIN PELAAK KO**

Ekkar ñan kakien eo naetan National Environmental Policy Act (NEPA); Council eo ikijien kakien ko rejeket emman eo an pelaak ko im ej ejake bunten ko iumin NEPA (40 Code of Federal Regulation ko [CFR] 1500-1508; Kean eo jen Department eo an Defense (DoD) 4715.9, Jibadbad im Etale ko ikijien Pelaak ko; 32 CFR Part 651, Jibadbad im Etale ko ikijien Pelaak ko; United States (U.S.) Army Space im Missile Defense Command/Army Forces Strategic Command eo (USASMDC/ARSTRAT) ear kepooj juön Ekatak Kin Pelaak ko (EA) eo im ear etale wäwein ko remarow jelet pelaak kaki elañ e renaj kökääle fiber optic cable (to in jarom) eo ej bed ipulen lojet ilo Tuioñ Turilik in Enein Kwajalein, Republic eo an Marshall Islands (RMI).

Fiber optic in ear jorrään im nana an jermal ilo ijo im ej bed ie ilo ene in Kwajalein kin menin rej aikuij in bar kökääle. Cable in ej möttaan kein jermal ko rej kejerbale ñ an leto letak melele ilo jarom im ej bareinwöt ekejeel im kakobaik jermal in jilkinto jilkintak melele ko ilo jarom ikötaan ene ko ilo woden bwil in Micronesia in, im ilo an wör jorrään ñ ane ekanuij in jelet im kapañ an köm ñ an makitkit ko ilo jikin kein kenono kaki, elap-tata jermal ko an mission im armej ro rej jokwe ijokein. EA eo ear bareinwöt kadrelöñ jekjek ko jet watoki elañ e rejamin köm ñ an jabdrewöt jermal in kökääle ko bareinwöt.

Elañ e ear endrein, innem USAG-KA enaj kar jermal ilo an naaj kar ejelok an maroñ in leto letak jabdrewöt kain melele ko enaj kar aikuij jen im ikötaan Federated States ko an Micronesia, ekoba bwe RMI enaj kar ejelok an maroñ in kejerbale internet eo bareinwöt. Makitkit ko rej köm ñ an kio kab ko ilju im jeklej ko im remarow in naaj jelet pelaak ko rej ekatak wöt kaki kio im dredrelok aer drori ilo ripoot im jeje ijoke renaj wönmanlok wöt im köm ñ an jen ien ñ an ien. Elkin etale ko nae Elmakwöt in Makitkit ko rej lemnak in köm ñ an, USASMDC/ARSTRAT emöj an kelet bwe enaj ejelok jorrään elap remarow in walok nae pelaak ko elañ e renaj wönmanlok wöt im köm ñ an makitkit in kökääle kein ñ an to in jarom in kenono kake. Wäwein ko raar loi ke ejelok jorrään enaj walok ak (FONSI) kab ekatak eo rej naetan EA ewör ilo ripoot im jeje im jabdrewöt armej remarow in lali ripoot kein jino jen July 27 mae August 27 ilo jikin kein rej ellaajak:

Grace Sherwood Library Kwajalein Island USAG-KA	RMI Environmental Protection Authority Majuro, RMI
Roi-Namur Library Roi-Namur Island USAG-KA	RMI Environmental Protection Authority Ebeye, RMI

Jabdrewot armej eo ewor an itok limo in etale FONSI ak ripoot in kenono kake kab ripoot eo juon naetan EA ak letok jabdrewot melele ko ilo internet eo remaron etal nan [https://tbe.com/Kwajalein\\_Fiber\\_Optics\\_Cable\\_Repair\\_Documents\\_for\\_Public\\_Review](https://tbe.com/Kwajalein_Fiber_Optics_Cable_Repair_Documents_for_Public_Review). Maron letok jabdrewot melele ilo email (elane konaan eo am in) nan [david.c.hasley.civ@mail.mil](mailto:david.c.hasley.civ@mail.mil) ak regular mail nan: USASMDC, Attn: David Hasley, Post Office Box 1500, Huntsville, AL 35807 3801. Aolep melele rej aikuij in töprak tok enjab rumwij lok jen August 27 2018 bwe ren maron in erom mottan melele ko ikijien pirojaak jab in.

**U.S. Army Garrison-Kwajalein Atoll asks that all government vehicle and rental vehicle operators follow USAG-KA regulations. Abide by the posted speed limits in all areas of the garrison. For questions, please contact the PMO at 5-4445.**

# OPSEC AND SOCIAL NETWORKING SITES

Social Networking Sites (SNS) like Facebook and Twitter, are software applications that connect people and information in spontaneous, interactive ways. While SNS can be useful and fun, they can provide adversaries, such as terrorists, spies and criminals, with critical information needed to harm you or disrupt your mission. Practicing Operations Security (OPSEC) will help you recognize your critical information and protect it from an adversary. Here are a few safety tips to get you started.

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## SAFETY CHECKLIST

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### PERSONAL INFORMATION

- Do you keep sensitive, work-related information OFF your profile?
- Keep your plans, schedules and location data to yourself?
- Protect the names of coworkers, friends and family members?
- Tell friends to be careful when posting photos and information about you and your family?

### POSTED DATA

- Before posting, did you check all photos for indicators in the background or reflective surfaces?
- Check filenames and file tags for sensitive data (your name, organization or other details?)

### PASSWORDS

- Are your passwords sufficiently hard to guess?
- Unique from your other online passwords?
- Are your passwords adequately protected (not shared or given away)?

### SETTINGS AND PRIVACY

- Did you carefully look for and set all your privacy and security options?
- Determine both profile and search visibility?
- Sort “friends” into groups and networks and set access permissions accordingly?
- Verify through other channels that a “friend” request was actually from your friend?
- Add “untrusted” people to the group with the lowest permissions and accesses?

### SECURITY

- Remember to keep anti-virus software updated
- Beware of links, downloads and attachments just as you would in emails.
- Beware of “apps” or plugins, which are often written by unknown third parties who might use them to access your data and friends.
- Look for HTTPS and the lock icon that indicate active transmission security before logging in or entering sensitive data (especially when using wi-fi hotspots).

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Think before you post! Remember, your information could become public at any time due to hacking, configuration errors, social engineering or the business practice of selling or sharing user data. For more information, visit the Interagency OPSEC Support Staff's website.

Stay informed and keep your online information safe. For more information about U.S. Army Garrison-Kwajalein Atoll OPSEC regulations, contact IMCOM Security Manager Kenneth Zimmerman at 5-2110.

Think. Protect. OPSEC.  
[www.ioss.gov](http://www.ioss.gov)



# COMMUNITY CLASSIFIEDS

## HELP WANTED

To research and apply for government employment opportunities on U.S. Army Garrison-Kwajalein Atoll and worldwide, visit [www.usa-jobs.gov](http://www.usa-jobs.gov).

San Juan Construction has multiple openings on Kwajalein. Please see our website [www.sanjuanconstruction.com](http://www.sanjuanconstruction.com) or contact recruiter Tim Hughes at [thughes@sjcco.com](mailto:thughes@sjcco.com) or (970) 497-8238.

MIT LL is hiring for a fulltime Site Administrator. Active security clearance highly desired. Must be a current resident of Kwajalein Island. Submit resume to Chamee Cross, [chamee.cross@ll.mit.edu](mailto:chamee.cross@ll.mit.edu), by August 11. Questions, please call, 5-5105.

## COMMUNITY NOTICE

Ongoing Smoking and Tobacco Cessation offered. Please call EAP at 5-5362 or make an appointment with a physician.

E-wareness: Reclaimed vs. Drinking Water. Kwajalein Island has two water systems. The reclaimed (Non-Potable) system, color-coded with red labels, is not suitable for drinking. Landscaping with reclaimed water conserves drinking (Potable) water. Call DynCorp International Environmental if you have any questions. 5-1134.

Ewor ruo kain system in drenion Kwajalein. Reclaimed (Non-Potable) system eo, ekokalle kon label biroro, ejab emman nan idrak. Utrikrik kon reclaimed water ekojbarok drenin idrak (Potable). Ne ewor am kajitok kaki, call e lok DynCorp Environmental ilo 5-1134.

Friendly reminder from the medical and dental teams: Provide 24-hours' notice to cancel or reschedule your appointments. Call Kwajalein Hospital at 5-2223/5-2224 or Dental Clinic at 5-2165.

Please pick up your new passport at the USAG-KA Host Nation Office. For questions, please contact 5-2103.

KRS FCE Benefits office will be closed from Tuesday July 31, 2018 through Saturday August 4, 2018. Our office will be open and resume normal business hours on August 7.

All Kwaj divers are reminded that dunk tanks located at the Emon Beach Scuba Shack and Ski Boat Area are reserved for rinsing dive equipment only.

Facility Manager Evacuation Coordinator Training. First and third Wednesdays of each month. 10 a.m. at Bldg. 904, Fire Station Training Room. Call 5-3364 to sign up for a class. Class size is limited to 15 persons.

A new cipher lock has been installed at the CRC Gym. Please call 5-3332 or 5-3331 between 8 a.m. and 5 p.m. to get the code or page 5-0347.

The Koenig Jabar Tennis Court will reopen on Wednesday, August 1 with a Tennis Clinic and Social hosted by FMWR's Mark Nickless at 7:30 p.m. For more information, please check the USAG-KA FMWR Facebook Page and call Community Activities at 5-3331.

The U.S. Army Attorney/Notary will be off-island from August 14-28. Please call 5-1431 to arrange appointments before or after that time frame and plan accordingly.

## WEEKEND MOVIES

### Kwajalein Movies

**Beirut (R)**  
Saturday, July 28  
7:30 p.m. at the Yuk Theater  
Time: 1 hr. 49 min.

**Life of the Party (PG-13)**  
Sunday, July 29  
7:30 p.m. at the Yuk Theater  
Movie: Life of The Party  
Time: 1 Hr. 50 Min.

**Book Club (PG-13)**  
Monday, July 30  
7:30 p.m. at the Yuk Theater  
Time: 1 Hr. 34 Min.

### Roi-Namur Movies

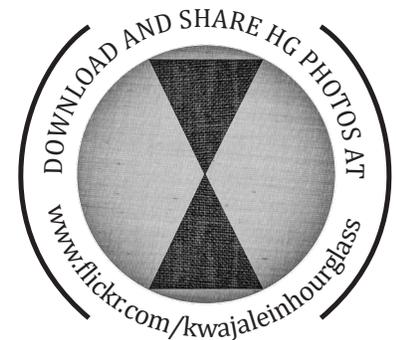
**Deadpool (R)**  
Saturday, July 28  
7:30 p.m. at the Tradewinds Theater  
Time: 2 Hr.

**Truth or Dare (PG-13)**  
Sunday, July 29  
7:30 p.m. at the Tradewinds Theater  
Time: 1 Hr. 39 Min.



## Sexual Harassment/Assault Response and Prevention (SHARP) Contact Information

CW2 Jarell Smith  
SHARP Victim Advocate  
Work: 805 355 3421 • Home: 805 355 2139  
USAG-KA SHARP Pager: 805 355 3243/3242/3241/0100  
USAG-KA SHARP VA Local Help Line: 805 355 2758  
DOD SAFE Helpline: 877 995 5247



## Captain Louis S. Zamperini Dining Facility

\*MENU CURRENT AS OF JULY 27

LUNCH	Monday	Tuesday	Wednesday	Thursday	Friday	August 4
<b>Sunday</b> Cornish Hen Mashed Potatoes Cauliflower	Braised Beef Cubes Baked Chicken Basmati Rice	Orange Chicken Fried Rice Fried Cabbage	BBQ Chicken Sweet Potatoes Collared Greens	Lemon Baked Salmon Brown Rice Savory Green Beans	Fajitas Quesadilla Refried Beans	Swedish Meatballs Oven Glow Potatoes Corn Bread
DINNER	Monday	Tuesday	Wednesday	Thursday	Friday	August 4
<b>Sunday</b> Chicken Parmesan Baked Salmon Brown Rice	Yankee Pot Roast Lemon Baked Fish Fried Rice	Parmesan Baked Fish Oven Glow Potatoes Rice	Beef Stew Baked Pork Chop White Rice	Salisbury Steak Pork Adobo Fried Rice	Baked Trout Mashed Potatoes Brown Rice	Ribeye Steak Baked Potato Collared Greens

# WEEKLY WEATHER OUTLOOK

RTS WEATHER STATION STAFF

**WEATHER DISCUSSION:** Kwajalein is situated in the doldrums between INVEST99W, a broad circulation located near Pohnpei, and trade wind convergence along the Intercontinental Convergence Zone (ITCZ) to our east. INVEST99W is not expected to develop into a tropical cyclone. Kwajalein will remain in a region with light winds and minimal convergent flow throughout the weekend, meaning just isolated showers. However, the larger features to the east and west will keep high cloud cover in the area. The ITCZ trade wind convergence may extend into our area early next week, though not that strong. Expect a period of widely scattered showers.

We believe the next seven days will be below normal precipitation. However, this period is a difficult forecast. Any showers that develop will be heavy and slow moving. Its possible single small showers could bring a few inches of rain.

**SATURDAY/SUNDAY/MONDAY FORECAST:** Isolated showers. Winds S-SE at 3-7 knots Saturday and Sunday, ENE-ESE at 3-7 knots Monday

**MID-WEEK FORECAST:** Isolated to widely scattered showers. More trade wind influence but still generally weak winds NE-ESE at 5-10 knots.

SUN-MOON-TIDES				
	SUNRISE SUNSET	MOONRISE MOONSET	HIGH TIDE	LOW TIDE
<b>SUNDAY</b>	6:40 a.m. 7:11 p.m.	8:13 p.m. 7:28 a.m.	5:00 a.m. 4.5' 5:21 p.m. 3.6'	11:22 a.m. -0.5' 11:13 p.m. -0.3'
<b>MONDAY</b>	6:40 a.m. 7:11 p.m.	8:55 p.m. 8:15 a.m.	5:30 a.m. 4.5' 5:50 p.m. 3.6'	11:51 a.m. -0.5' 11:44 p.m. -0.2'
<b>TUESDAY</b>	6:40 a.m. 7:11 p.m.	9:37 p.m. 9:02 a.m.	5:59 a.m. 4.4' 6:20 p.m. 3.6'	12:19 p.m. -0.4' -----
<b>WEDNESDAY</b>	6:40 a.m. 7:10 p.m.	10:18 p.m. 9:49 a.m.	6:28 a.m. 4.2' 6:51 p.m. 3.5'	12:14 a.m. -0.1' 12:48 p.m. -0.2'
<b>THURSDAY</b>	6:41 a.m. 7:10 p.m.	10:59 p.m. 10:35 a.m.	6:59 a.m. 4.0' 7:26 p.m. 3.4'	12:47 a.m. 0.1' 1:19 p.m. -0.1'
<b>FRIDAY</b>	6:41 a.m. 7:10 p.m.	11:41 p.m. 11:22 a.m.	7:34 a.m. 3.7' 8:09 p.m. 3.3'	1:24 a.m. 0.3' 1:55 p.m. 0.2'
<b>AUGUST 4</b>	6:41 a.m. 7:10 p.m.	----- 12:11 p.m.	8:18 a.m. 3.3' 9:05 p.m. 3.1'	2:10 a.m. 0.6' 2:40 p.m. 0.4'

## GLASS BEACH AND PET CEMETERY AREA CLOSED UNTIL FEBRUARY 2019

The remaining Kwajalein Pet Cemetery memorial markers were removed by the USAG-KA Department of Public Works July 10 and temporarily relocated to the Memorial Gardens to facilitate progress on the shoreline metals removal project. No remains were removed. The markers will be returned to the memorial site in January 2019. For more information, please contact USAG-KA DPW at 5-2283.

A security fence is being installed around bldg. 1066 due to construction on the south end of Kwajalein. This area will remain closed to the public through February 2019. Glass beach, Shark Pit and the Pet Cemetery are included in this "off-limits" area until further notice. The public will be notified when the area is reopened and accessible. As always, the safety of our residents and personnel is our top priority. Thank you for your patience and understanding as USAG-KA works to improve our island environment.

**PHOTO GEOTAGGING**

**SHOULD EVERYONE KNOW WHERE YOU'VE BEEN?**

"Dan just signed in here. Ships out June 2nd!"

Lat: 36.9629211, Long: -76.3273468

**TARGET ACQUIRED**

Lat: 36.9629211, Long: -76.3273468

**OPSEC FRUSTRATES THE ADVERSARY**

### LUNCH

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	August 4
Minestrone Soup	Hamburger Yakisoba	Chicken Alfredo	Gumbo Soup	Ham Noodles	Chicken Lo Mein	Glazed Ham
Oven Brown Potatoes	Glazed Salmon	Buttered Potatoes	Fried Fish	Philly Cheese Wraps	Teriyaki Beef	Mashed Potatoes
Pork Fried Rice	Glazed Carrots	Brussel Sprouts	Pork Loin	Tortellini with Marinara	Pork Fried Rice	Brown Rice

### DINNER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	August 4
Herbed Chicken	Pasta Bar	Taco Tuesday	Steak Night	Fried Chicken	Wing Bar	Hamburger Bar
Spaghetti	Eggplant Parmesan	Beef Stroganoff	Mushroom Soup	Potatoes	Steamed Rice	Chicken Rice Soup
Mashed Potatoes	Garlic Bread	Cabbage	Cajun Alfredo	Mixed Vegetables	Sauteed Spinach	Lemon Pepper Chicken

## Café Roi

\*MENU CURRENT AS OF JULY 27

# KOMMOL TATA.

**Kommol tata** to U.S. Army Garrison-Kwajalein Atoll Public Affairs Officer Nikki Maxwell. You served the garrison with boundless optimism, courage, creativity and grace. We will always remember the difference you made on Kwajalein.

📷 U.S. Army photos by Nikki Maxwell

NEWS / NIKKI MAXWELL, USAG-KA PUBLIC AFFAIRS

—The Kwajalein Hourglass

**Kommol tata** to Ben Gleich and the entire DPW team for their incredible support and tireless efforts throughout the tennis courts renovation project!

—The USAG-KA FMWR Team

**Kommol tata** to FMWR and the stellar volunteers who helped make the July 23 Women's Dive a success. Way to go! We appreciate your awesome work.

—Kwajalein Scuba Club

## UNITED CHECK-IN TIMES

Monday, United 155—**3:30-4:45 p.m.**  
Tuesday, United 154—**11-11:30 a.m.**  
Wednesday, United 155—**2:30-3:45 p.m.**  
Thursday, United 154—**11:30 a.m.-Noon.**  
Friday, United 155—**3:30-4:45 p.m.**  
Saturday, United 154—**11-11:30 a.m.**

## ATI CHECK-IN TIMES

Early departures—**7:45-8:15 a.m.**; All other departures—**8-8:30 a.m.** \*Check with your ATI flight representative to confirm check-in and flight departure times.

## SHUTTLE BUS SERVICE

To set up a pick up time for the shuttle please call: 5-3341 or 5-8294. If a representative cannot be reached, please leave a detailed message and your phone call will be returned as soon as possible. Shuttle services start one hour prior to check-in times for United flights and 0700 for the ATI.



**FOLLOW USAG-KA  
FMWR EVENTS  
ON FACEBOOK!**

Follow U.S. Army Garrison-Kwajalein Atoll FMWR on Facebook to receive the latest updates on class schedules, community athletics, rentals, registration, events and fun activities. [www.facebook.com/usagkafmwr](http://www.facebook.com/usagkafmwr).

**Heads up!**  
**Holmberg Fairways Golf Course  
Coconut Removal Project**



**17 – 31 July**  
Course will be closed  
weekdays only from  
0700 - 1600

Golf Course will be open during normal hours on weekends (Sunday & Monday).  
Country Club will remain open during normal Hours on weekdays and weekends.



**KWAJALEIN  
TENNIS CLINIC**



**01 AUGUST 7PM**  
Koenig Jabar Tennis Court

