

# THE KWAJALEIN HOURGLASS



## THIS WEEK

### KWAJ CELEBRATES

MONTH OF THE MILITARY CHILD - P. 4-5

### DRAGON SHRIMP

MAKES RARE APPEARANCE - P 3

### SPACE SYMPOSIUM

FEATURES SPACE STRATEGY TALKS - P 8-9

Kwajalein Pre-schoolers visited USAG-KA Headquarters in honor of the Month of the Military Child, April 21. While there they had a chat with Col. Mike Larsen and CSM Angela Rawlings about what they wanted to be when they grow. See more photos at [www.facebook.com/USArmyGarrisonKwajaleinAtoll](http://www.facebook.com/USArmyGarrisonKwajaleinAtoll) and on pages 4-5 of this issue.

 Nikki Maxwell

# HERO OF THE WEEK

HOURLASS REPORT

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*SAG-KA's Hero of the Week* is Kwajalein resident Marcus Johnson. Born and raised in Alabama, Marcus has lived on Kwaj since 1994, and spent the last two decades supporting KRS Public Works, most recently as Appliance Repair Technician IV. Spend a few minutes around Marcus and you'll quickly pick up on his positive attitude and professional work ethic. On the job, Marcus utilizes his electrical engineering background and appliance repair training to professionally address the most complex repair issues on Kwaj, Roi-Namur and Meck, ranging from small, major, commercial, industrial, fitness, bio-medical appliances and equipment. While supply issues are his team's biggest challenge on the job, they always find a way to be resourceful and make things work. Customer satisfaction motivates Marcus to do his best every day and to work as safely and efficiently as possible. He is passionate about setting an example and sharing his knowledge with others to enhance their skillset. In his free time, Marcus is focused on taking care of his family and ensuring their happiness and security. Marcus and his wife Sara have seven children: Taki, Tynia, Kayarii, Valerina, Mosia, Helton, and DaMarcus.



U.S. Army photo by Cari Dellinger

# JOBWA STICK DANCERS



Enjoy a special, rare performance of Iroj Kabua's Jobwa Stick Dancers on Kwajalein!

**87 dancers on 1 stage**

**6:30-8 p.m., Saturday, April 23, at the Richardson Theater**  
Seating is limited - Please bring a chair

## 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. Contents of the Hourglass are not necessarily official views of, or endorsed by, the

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**HOURGLASS REPORT**

*This stunning batch of underwater eye candy comes courtesy of Kwajalein resident Scott Johnson. Pictured is a type of shrimp rarely seen at Kwajalein Atoll: *Miopandalus hardingi*, also commonly called the dragon shrimp. Though seldom seen at Kwajalein Atoll, the species was actually discovered and named after biologists found a specimen during an expedition to Enewetak Atoll in 1983.*

Reaching 10-20 mm in length, the shrimp is a peculiar looking specimen that more resembles a lizard than it does a crustacean. It spends its time living on coral branches, in this case, a species of black coral found in the waters of Kwajalein Atoll.



© Courtesy Scott Johnson

# OKEANOS EXPLORER CREW LIVE STREAMING MARIANAS TRENCH EXPEDITION

**HOURGLASS REPORT**

*The National Oceanic and Atmospheric Administration's Okeanos Explorer ship and crew, which visited U.S. Army Garrison-Kwajalein Atoll last month, has just begun a 69-day geological mapping and exploration mission at the Marianas Trench Marine National Monument. By visiting the mission's website, members of the public can join scientists from around the world in a real-time, through-the-lens tour of the trench's deep water habitats, courtesy of the Okeanos Explorer's remotely-operated vehicles Deep Discoverer (or D2) and Seirios. Mission leaders say they expect to explore bottom fish habitats, new hydrothermal vent sites, deep seamounts, subduction zone areas, mud volcanoes, deep sea coral and sponge communities and much more. The mission is the latest in a string of expeditions taking the ship and crew throughout the Pacific Ocean on a three-year odyssey of the region's deep water habitats, part of which will bring the ship and crew back to Kwajalein Atoll in August.*

To follow the crew's missions throughout the Marianas, visit the web address listed below.

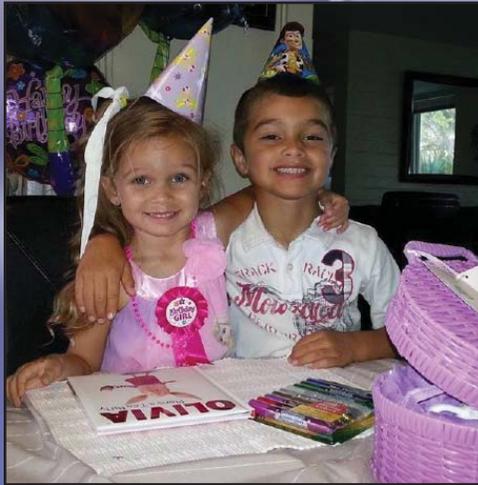
<http://oceanexplorer.noaa.gov/okeanos/welcome.html>

*The Kwajalein Hourglass*



© U.S. Army photo by Jordan Vinson

# MONTH OF THE MILITARY CHILD



Sealey and Colten Beggs - Children of Maggie Beggs (who served in the U.S. Army for 4 years) and Steve Beggs (serving in U.S. Army for 13 years so far, currently assigned to the 500th MI Brigade).

Jordan Rice - 16 years old.  
Son of Capt. David and Sharon Rice.  
Capt. Rice has served in the U.S. Army for 15 years and is currently assigned to USAG-KA.



Kenneth R. Green Jr. - Son of Master Sgt. Kenneth and Cindy Green. MSG Green has 25 years of service in the U.S. Army and is assigned to the Ronald Reagan Ballistic Missile Test Site.

## April 2016: Month of the Military Child

### Proclamation

*Whereas*, since 1986, Army installations around the world have celebrated the Month of the Military Child throughout the month of April, recognizing the sacrifices and applauding the courage of military children;

*Whereas*, each day, military children experience unique challenges, which they face with resilience and dignity beyond their years;

*Whereas*, it is essential to recognize that military children do make a significant contribution to our Nation through understanding and supporting their military parents who often work long hours and make numerous deployments when called upon;

*Whereas*, military children contribute to their Families by providing a source of strength and providing a sense of responsibility for those who protect our Nation;

*Whereas*, military children are the source of pride and honor that Americans have regarding their Soldiers' support to the Nation, it is fitting to recognize our military children's contributions and celebrate their spirit;

*Whereas*, our men and women in uniform can focus on the missions and challenges ahead when they know that their children are safe and secure;

*Whereas*, the Army strives to provide a safe and nurturing environment for military children enabling our Soldiers to have peace of mind and thus be a stronger and more ready and resilient fighting force;

*Whereas*, the Month of the Military Child reinforces this concept and allows us to take stock in, and recognize that our Soldiers' children also play an important role in support of their parents, and thus, the Nation; and

*Now*, therefore, 2016 marks the 30th year that we celebrate the Month of the Military Child; we hereby join the Nation in recognizing the important contributions and sacrifices our military children make as we honor them throughout the month of April.

Daniel A. Dailey  
Sergeant Major of the Army

Mark A. Riley  
General, United States Army  
Chief of Staff

Patrick J. Murphy  
Acting Secretary of the Army

# "BECAUSE KIDS SERVE TOO"



Mason Kilgore - 4 years old

Rachelle Kilgore - 10 years old



Isti Istrefi - 20 years old

Their parents are CW4 William and Ornela Kilgore. Kilgore has 24 years of service and is assigned to USAG-KA Aviation.



Humberto Jones Jr. and Gabriela Jones.

Children of Lt. Col. Humberto and Doris Jones. Lt. Col. Jones is currently assigned as the Director of the Ronald Reagan Ballistic Missile Defense Test Site at Kwajalein Atoll.

Chelsea Engelhard - 17 years old

Daughter of Sam and Melissa Engelhard. Sam was in the U.S. Naval Submarine Service from October 1981-October 1987, stationed aboard the USS Ray and the USS Casimir Pulaski. Sam works for KRS and Melissa works for RTS.



Ryan Marie Larsen - 14 years old, Jacob Larsen - 16 years old and Jordan Larsen - 19 years old.

Their parents are Col. Michael and Jeanna Larsen. Col. Larsen has served in the U.S. Army for 23 years and is currently the commander of USAG-KA.



Athena LaBrie is the 5th child born to Deputy Director of Emergency Services/Chief of Police Tim and Ursula LaBrie who each proudly served in the U.S. Army from 1990-2003; Tim (Military Police) and Ursula (Military Intelligence) have seven (7) combined deployments and continue to support and work for the Department of the Army/Department of Defense. Athena has traveled to over 14 countries and 3 continents, in which she has lived in two. She dreams to be a Baby Doctor, Paleontologist and archeologist when she grows up.



Archer Anderson - 8 years old and Aubrey Anderson - 5 years old. Their parents are Maj. Jeffrey and Ashley Anderson. Maj. Anderson is an Army Space Officer with 18 years of service, and assigned to USAG-KA Operations.

# 20 Real Water Saving Tips to Implement Today

1. When washing dishes by hand, don't let the water run. Fill one basin with wash water and the other with rinse water.
2. Designate one glass for your drinking water each day, or refill a water bottle. This will cut down on the number of glasses to wash.
3. Soak pots and pans instead of letting the water run while you scrape them clean.
4. Wash your fruits and vegetables in a pan of water instead of running water from the tap. If you must wash your fruits and veggies in running water, collect the water you and use it to water house plants.
5. Reuse leftover water from cooked or steamed foods to start a nutritious soup, it's one more way to get eight glasses of water a day.
6. Select the proper pan size for cooking. Large pans may require more cooking water than necessary.
7. When doing laundry, match the water level to the size of the load.
8. Shorten your shower by a minute or two and you'll save up to 150 gallons per month.
9. Time your shower to keep it under 5 minutes. You'll save up to 1,000 gallons per month.
10. Toilet leaks can be silent! Be sure to test your toilet for leaks at least once a year. You can test by adding food coloring—if the water is clear the next time you check, you probably have a leak or a running toilet.
11. If your toilet flapper doesn't close properly after flushing, call it in.
12. Turn off the water while you brush your teeth and save up to 4 gallons a minute. That's up to 200 gallons a week for a family of four.
13. Plug the sink instead of running the water to rinse your razor and save up to 300 gallons a month.
14. Turn off the water while washing your hair and save up to 150 gallons a month.
15. One drip every second adds up to five gallons per day! Check your faucets and showerheads for leaks.
16. At home or while staying in a hotel, reuse your towels.
17. Run your washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
18. Use a broom instead of a hose to clean patios, sidewalks and driveways, and save water every time.
19. When ice cubes are left over from your drink, don't throw them out. Pour them on a plant.
20. Scrape dishes rather than rinsing them before washing.

# SPACE SYMPOSIUM PANEL DISCUSSES SPACE AND INTERNATIONAL PARTNERSHIPS

## EXTERNAL REPORT

By Dottie White, U.S. Army Space and Missile Defense Command

**COLORADO SPRINGS, Colorado** — Attendees of the 32nd Space Symposium gathered at the Broadmoor here to listen to an international panel of senior leaders, April 14.

Brig. Gen. Greg Bowen, deputy commanding general for operations, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command, was one of seven panel members who discussed “Global Space Partners on Collective Security.”

In addition to Bowen, the panel had representatives from Canada, Australia, Germany, France, New Zealand and the United Kingdom.

Each nation gave their perspective on the importance of space and partnerships with one another.

“It’s clear to me that none of our countries are ever going to go into combat or any kind of operation by themselves,” Bowen said. “It’s always going to be a coalition environment. To have a successful coalition, partnerships are absolutely key.

“As we start thinking about space in a coalition environment, we’ve got to figure out how we’re going to operate in a space contested environment,” he continued. “Everybody is aware of the jammers, spoofers, antisatellite weapons and cyber vulnerabilities that exist today.

“Our adversaries look at space as something that gives us an asymmetric advantage and it’s something they want to take down,” Bowen added. “They see it as an Achilles heel that they can attack and perhaps level the playing field.”

Bowen went on to explain the Army’s heavy dependence on space.

“The Army is the largest user of space and also a large contributor to space capabilities within the United States,” he said. “We provide global satellite communications, space control, force tracking, theater missile warning, and space situational awareness, tracking and identification. We’re essentially bringing strategic capabilities to the tactical fighter. That’s what we do in direct support of our brothers and sisters in harm’s way. We’re leveraging those



**Brig. Gen. Greg Bowen, deputy commanding general for operations, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command, gives remarks during an international panel focused on “Global Space Partners on Collective Security” at the 32nd Space Symposium in Colorado Springs April 14.**  Dottie White, SMDC

joint national capabilities and providing an increased capability not only to our own forces but to our coalition partners.”

One of the successes Bowen spoke about is the Wideband Global Satellite Communications system, or WGS. WGS is a constellation of large communication satellites in geosynchronous orbit.

Bowen said we’ve had a very close partnership with Australia since 2007. And in 2012, we signed a multilateral agreement on WGS that includes some of the countries that are represented on the panel -- Canada and New Zealand.

“It’s a very interesting situation in that the countries provide funding essentially to purchase the satellites, launch the satellites, and then do operations and sustainment,” Bowen said. “In exchange for that, they get access to the entire global communications network. That’s very powerful because it enables us to talk. It enables us to operate in a coalition environment.”

Another area of success Bowen talked about is Equivalent Value Exchange. Basically it enables countries to exchange

things they need.

“If there is a natural disaster that happens in your country and you need more SATCOM bandwidth, you can borrow it from us,” Bowen explained. “And in the future sometime when we need it, we can borrow a transponder from you.

“It works out extremely well,” he added. “We’ve been able to use that on a number of occasions. It is a very clean way to do business between nations.”

In closing, Bowen reiterated how the partnerships are extremely important to us when it comes to space.

“We don’t go to space alone; we need everybody out there with us,” Bowen said. “And we need to be able to be interoperable, to talk to one another. Part of my job and probably one of the things that I enjoy the most is working the international partnership piece because I can see the benefits for the Soldier, sailor, Marine, or airman on the ground.

“I never want to send our young men and women into a fair fight,” he added. “We want overmatch. Space gives us that overmatch, but we can’t do it alone. And I appreciate the help of everybody here.”

# STRATCOM LEADER TALKS US SPACE STRATEGY, SPACE FENCE DURING 32nd SPACE SYMPOSIUM

## EXTERNAL REPORT

*Speech by Adm. Cecil Haney, U.S. Strategic Command Commander. \*Edited by Hourglass staff for publication.*

Now, I know over the last couple of days you have heard a lot about the threats in space, so I won't repeat what has already been said. Just know that as the combatant commander responsible for space operations, Russia and China trends and public statements regarding countering our space capabilities have my attention. Even as we've seen in open press, North Korea has recently been jamming GPS and even has launched a satellite in space — yet again.

Iran is also building an indigenous space program. Equally concerning to me is the increasing proliferation of space-based technologies providing opportunities to violent extremist organizations — from the ability to access, use and encrypt communications to leveraging global navigation aids for their benefit.

Understand that our space capabilities are not only foundational to my nuclear deterrent mission and other assigned missions, they are critical to our warfighters who operate across the globe. These crucial space assets allow military commanders to see the battlespace with clarity, strike with precision, navigate with accuracy, communicate with certainty, understand weather impacts and operate with assurance over global distances.

While the U.S. and our allies continue to push for the peaceful use of this global commons and preserve the space environment, the reality is that we have come to a point where we must recognize that despite our efforts, a future conflict may start, or extend, into space.

I will focus my comments on how we must view space in our overall deterrence strategy, and on some of U.S. Strategic Command's ongoing efforts to solve challenges we face in space and some of the hurdles we must overcome to get better.

While our 2010 National Space Policy charges us with deterring others from interference and attack, and if deterrence fails, defeating those efforts that would threaten our space systems, the 2015 National Security Strategy specifies that we "will also develop technologies and tactics to deter and defeat efforts to attack our space systems; enable indications, warning, and attributions of such attacks;



Air Force photo by Senior Airman William Branch

*U.S. Strategic Command Commander Adm. Cecil Haney discusses America's current and future strategy for space during the 32nd Space Symposium in Colorado Springs, Colorado, April 14.*

and enhance the resiliency of critical U.S. space capabilities."

Let me start with deterrence. So, how do we deter potential adversaries and maintain a safe, stable and secure space environment? This requires a comprehensive and integrated approach to deterrence. First, threats must be addressed across the "spectrum of conflict," where escalation may occur with more than one adversary and in multiple domains. Whether we are deterring aggression in space, cyberspace, or the nuclear arena, our actions including messaging and capabilities must make clear that no adversary will gain the advantage they seek in space, or in any domain; that they cannot escalate their way out of a failed conflict; and that restraint is always the better option. Second, we must have a deeper, broader understanding of our adversaries, and potential adversaries. We must understand their capability and intent, so that we can deny enemy action, hold critical nodes at risk and prevent perceptions, misperceptions and actions from escalating. Third, we must view and fund space as a critical mission capability versus an enabler. Our sensors, command and control systems, and Space Situational Awareness (SSA) capabilities underpin our ability to maintain awareness. These

resources are vital to the decision-making process and supporting forces around the globe. Fourth, we must have an approach that includes collaboration and partnership with our interagency, as well as our allies, partners and commercial entities. Finally, we must have deterrence plans with objectives that are tailored to specific actors, nation states and regions because one specific approach will be less effective given how complex the world is today. This also requires multi-domain solutions vice deterring in a single domain.

Given that deterring strategic attack is my top priority, know that USSTRATCOM in conjunction with many of our partners in this room, is working hard to ensure we maintain the strategic advantages we enjoy in space today.

Let me provide you a snapshot of some of our ongoing efforts. First, to preserve access in space we must have improved dynamic situational awareness. This includes better foundational intelligence to give us the necessary indications and warning, even before an adversary engages in counterspace activities. We must know where objects are, who owns them, and what capabilities they represent. This also means working closely with the intelligence community, so that we can

characterize pre- and post-launch events, and discriminate hostile and non-hostile actions and understand intent.

Given the threats we are facing in space, we must get better. The good news is the space community is delivering new capabilities. For example, to enhance our ability to track objects in low and medium earth orbit, our Space Fence program will work in conjunction with the rest of our space surveillance network to provide an integrated picture of the joint operating environment. We are also relocating a C-Band radar and space surveillance telescope to Australia in order to provide low earth orbit coverage in the Southern hemisphere. Last year, we declared initial operational capability of the Geosynchronous Space Situational Awareness program that most of you know as GSSAP. This new set of satellites has a clear, unobstructed vantage point for viewing resident space objects out to 22,000 miles. I am excited about the future of this program given how critical our assets in geostationary equatorial orbit (GEO) orbits are to us. Second, we are organizing ourselves to address the threat. To get at this, last year we stood up the Joint Space Doctrine and Tactics Forum, known fondly as the JSDTF.

In 2015, we stood up the JICSpOC concept, including the Joint Interagency Combined Space Operations Center located at Schriever Air Force Base, Colorado. This center provides the DoD and intelligence community with a robust test and experimentation environment to better integrate our space operations in response to threats and afford unity of effort between

diverse space communities. The JICSpOC represents a fundamental step forward in ensuring the U.S. outpaces emerging and advancing space threats. The Deputy Secretary of Defense [Bob] Work has stated that this is the first “operational construct” of the Third Offset Strategy and is a key contributor to maintaining the military’s competitive edge.

USSTRATCOM has implemented an updated sharing approach to provide higher quality information of both hostile and non-hostile threats. This sharing paradigm fosters the responsible use of space by promoting transparency, enhancing spaceflight safety, and enabling exchange-focused relationships. For example, this past Monday, we signed an agreement with the United Arab Emirates to share space services and data, making them the eleventh nation to participate in agreements with the United States. We also partner with a large number of commercial entities and two international space organizations and we have a number of allies and partners working in the Joint Space Operations Center, at Vandenberg Air Force Base, California. In fact, we currently have several members from allied nations who are currently serving in critical crew and leadership positions.

Additionally, our Commercial Integration Cell helps us pursue greater cooperation and synergy by integrating liaison personnel from industry within the JSpOC. Combining our efforts, resources and expertise strengthens deterrence, enhances resiliency, optimizes resources, and improves space mission assurance. These are just a few of our initiatives, but

we cannot rest on our laurels. While I am certainly pleased to see the space enterprise as a whole gathering momentum, there are several hurdles we must overcome. First, with the threat of sequestration looming in 2018, this can compromise the momentum we are establishing. Right now I am pleased with the PB17 submission to Congress that includes \$22 billion for space. We won’t have enough dollars to cover every gap, so we must think carefully about where to accept risk across the collective enterprise. Second, in order to improve dynamic space situational awareness we must be able to ingest large amounts of data from improved sensing that includes change detection. I hope you remember the news media discussions on a Russian space object called Object E, something that was originally classified as space debris that started moving in a non-debris fashion. We can likely expect more of this in the future. Third, we must have an effective Battle Management Command and Control System that provides tailored visualization capabilities suited to both operators at various levels and decision makers at various leadership levels.

The final hurdle I’ll mention has to do with culture. In line with Gen. Hyten’s earlier discussion on transforming our space operators into a Space Mission Force, which is underway, we need to likewise change the culture across our joint military forces to understand that these are not just future threats, but some of these threatening capabilities exist today. For example, when one of our space systems goes off line, or a receiver is no longer receiving information from space systems, we can no longer assume that it’s the results of an equipment problem or operator error. We must quickly assess and verify that we’re not under attack. We must also communicate what we are doing in space in a vocabulary so that those who are not working every day in the domain can also understand. This is yet another field overpopulated with abbreviations and clever codes. In order to address the challenges in the space domain we must be able to synchronize this across our operations in all the other domains. This requires a different a mindset and culture change.

As I conclude, let me say this: In the nearly two and a half years since I took command of USSTRATCOM, I’ve seen a real shift in our operational and strategic mindset. Rather than thinking of space as an enabler of operations, military commanders are increasingly understanding that space as a critical capability.



*Haney, left, is tours the construction site of the U.S. Air Force Space Fence facility on Kwajalein during his most recent visit to U.S. Army Garrison-Kwajalein Atoll last October.*

U.S. Army Photo by Nikki Maxwell

# COMMUNITY CLASSIFIEDS

## HELP WANTED

Visit USAJOBS.GOV to search and apply for USAG-KA vacancies and other federal positions.

KRS and Chugach listings for on-Island jobs are posted at: Kwajalein, Roi-Namur and Ebeye Dock Security Checkpoint locations; outside the United Travel Office; in the Roi Terminal/Post Office; at Human Resources in Bldg 700 and on the "Kwaj-web" site under Contractor Information>KRS>Human Resources>Job Opportunities. Job listings for off-island contract positions are available at www.krsjv.com.

KRS is seeking a grade 7-12 science teacher; please direct any potential candidates to www.krsjv.com

## LOST

Black, braided flip flops. Women's size 8. Rainbow brand. Last seen on Emon beach near the dive shack. Call 52054.

## PATIO SALE

7 a.m.-1 p.m., Saturday, April 30, at Qtrs. 206A on Ocean Rd. Multi-family sale, rain or shine.

## COMMUNITY NOTICES

Recycled Arts & Crafts Spotlight. Do you have a neat DIY project made with recycled items? Display your work at the Grace Sherwood Library throughout the month of April for Earth Day! Drop off Tuesday-Saturday, 8:00 a.m.-5:00 p.m. Questions? 53439.

Community Bank Notice. Due to current construction to the exterior of Building 704, the Community Bank has adjusted work hours from April 13-June 8: 9 a.m.-3 p.m.,

Tuesday; 9 a.m.-3 p.m. and 11 a.m.-5 p.m., Wednesday-Friday; and 11 a.m.-5 p.m., Saturday.

American Red Cross Lifeguard Recertification Class. Registration is open April 19-30 with classes running May 1-2. Current American Red Cross lifeguard certification required for registration. Cost is \$50. Questions? Call Cliff Pryor at 52848.

Golf Course Closure in support of the RustMan and Rusty Family triathlons. Starting at 4 p.m., Monday, April 25 and starting at 4:30pm, Monday, May 9.

Mandatory Island Orientation. 12:30-3:30 p.m., Wednesday, April 27, at FN 365, CAC Room 6. Required for all new island arrivals, including dependents. Not recommended for dependent children under the age of 10. Questions? Call 51134.

Kwajalein Atoll International Sportfishing Club Monthly Meeting. 7 p.m., at the Pacific Club. Food and beverages will be served at 6:30 p.m.. All anglers welcome to attend. Questions? Call Rich at 59219.

Bingo. 6:30 p.m., Thursday, April 28, at the Vet's Hall. Card sales begin at 5:30 p.m. Seating is limited. No outside alcoholic beverages permitted and must be 21 to enter and play (ID required).

Kwajalein Yacht Club Monthly Meeting. 6:30 p.m., Saturday April 30, at the Yacht Club. Happy Hour begins at 5:30 p.m., and Dinner will follow the meeting at 7pm. Please bring a dish to share. Guests welcome.

Earth Day 2016. 9-11 a.m., Monday, May 2, at the Pacific Club.

Beach combers are invited to come out and clean up our island! Event will take place rain or shine.

American Legion Post # 44 presents "MOM" Golian BBQ in honor of Mothers Day. 5-8 p.m., Sunday, May 8, at the Vets Hall. Tickets are \$40.00 and are available at the Vets Hall or from Post # 44 Members. Smells Like Fish will perform starting at 8:30pm. Proceeds will benefit Veterans Charities. Questions? Contact Mike Woundy or Jan Abrams.

Due to increased congestion and equipment traffic, overnight bicycle parking is not allowed in the area between Building 718 and Marine Rd. Supply and Transportation employees working out of Building 718 will be allowed to park bicycles in the rack next to the building during work hours only.

Alcoholics Anonymous meets every Tuesday and Thursday, 6:30-7:30 p.m. in the Religious Education Library.

Safely Speaking: 5S Part 5 (Sustain). 5S may begin as an event, but there-

after is a never-ending daily process in which the 5th S, Sustain, means not only sustaining the gains, but also to keep improving workplace organization.

E-talk: The Kwajalein Environmental Emergency Plan (KEEP) addresses emergency spill notification and response procedures as well as hazard evaluation, responder training, and spill prevention. Questions? Call KRS Environmental at 51134.

E-talk: How was Kwajalein Atoll Formed? Atolls are some of the most beautiful and biologically diverse habitats in the ocean; they are also some of the oldest. Find out how atolls are formed in this week's E-talk.

## AD SUBMISSIONS

Have an event or announcement you'd like to advertise in the Hourglass? Submit your ad by Noon, Wednesday for publication Saturday, to: hourglass@smdc.smdc.army.mil. Questions? 52114.



Check out daily news and community updates on the official U.S. Army Garrison-Kwajalein Atoll Facebook page.

For command information questions, please contact USAG-KA Public Affairs at 54848 or via Facebook at web address below.

[www.facebook.com/usarmykwajaleinatoll](http://www.facebook.com/usarmykwajaleinatoll)

## Captain Louis S. Zamperini Dining Facility

\*MENU CURRENT AS OF APRIL 21

| LUNCH                 | Monday                   | Tuesday                | Wednesday        | Thursday            | Friday                | April 30             |
|-----------------------|--------------------------|------------------------|------------------|---------------------|-----------------------|----------------------|
| Sunday                | Monday                   | Tuesday                | Wednesday        | Thursday            | Friday                | April 30             |
| Roasted Chicken       | Sauteed Boneless Chicken | Oriental Pork Steak    | Garlic Chicken   | Beef Stroganoff     | Coconut Bread. Chick. | Spaghetti Bar        |
| Baked Ziti            | Herb Roasted Potatoes    | Beef Broccoli Stir Fry | Sandwich Bar     | Chicken Caesar Wrap | Fish Du Jour          | Meat Sauce           |
| Lyonnais Potatoes     | Soup Du Jour             | Fried Rice             | Roasted Potatoes | Parslied Noodles    | Roasted Potatoes      | Marnara Sauce        |
| DINNER                | Monday                   | Tuesday                | Wednesday        | Thursday            | Friday                | April 30             |
| Sunday                | Monday                   | Tuesday                | Wednesday        | Thursday            | Friday                | April 30             |
| Sandwich Bar          | Taco Bar                 | BBQ Chicken            | Carved Steamship | Huli Huli Chicken   | Salsbury Steak        | Roasted Cornish Hens |
| Kwaj Fried Chicken    | Beef Tacos               | Three Bean Chili       | Round of Beef    | Augratin Potatoes   | Mediterranean Chick.  | Shepherd's Pie       |
| Garlic Mash. Potatoes | Refried Beans            | Onion Rings            | Baked Chicken    | Sandwich Bar        | Parslied Potatoes     |                      |



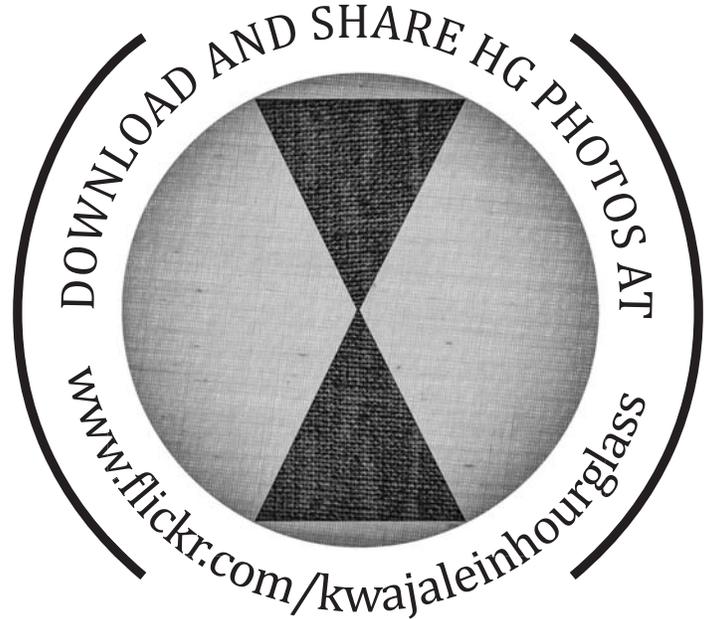
# www.army.mil/kwajalein

Check out USAG-KA's new website for garrison and community news, links to each directorate and other helpful information. Have thoughts or suggestions? Send them to the USAG-KA Public Affairs Office at [Nikki.1.maxwell.civ@mail.mil](mailto:Nikki.1.maxwell.civ@mail.mil).

## COMMANDER'S HOTLINE

HAVE SOMETHING THE USAG-KA  
COMMANDER SHOULD KNOW ABOUT?

*CALL THE COMMANDER'S  
HOTLINE AT 51098 TODAY!*



## SUN—MOON—TIDES

|                  | SUNRISE<br>SUNSET      | MOONRISE<br>MOONSET      | LOW TIDE                             | HIGH TIDE                         |
|------------------|------------------------|--------------------------|--------------------------------------|-----------------------------------|
| <b>SUNDAY</b>    | 6:36 a.m.<br>6:59 p.m. | 8:35 p.m.<br>7:52 a.m.   | 11:28 a.m. -0.5'<br>11:25 p.m. -0.4' | 5:13 a.m. 4.5'<br>5:27 p.m. 3.8'  |
| <b>MONDAY</b>    | 6:36 a.m.<br>6:59 p.m. | 9:23 p.m.<br>8:37 a.m.   | 11:57 a.m. -0.4'<br>11:51 p.m. -0.2' | 5:40 a.m. 4.4'<br>5:55 p.m. 3.6'  |
| <b>TUESDAY</b>   | 6:35 a.m.<br>6:59 p.m. | 10:12 p.m.<br>9:23 a.m.  | 12:27 a.m. -0.2'<br>-----            | 6:08 a.m. 4.2'<br>6:25 p.m. 3.3'  |
| <b>WEDNESDAY</b> | 6:35 a.m.<br>6:59 p.m. | 1:02 p.m.<br>10:12 a.m.  | 12:19 a.m. 0.0'<br>1:02 p.m. 0.1'    | 6:39 a.m. 4.0'<br>6:59 p.m. 3.0'  |
| <b>THURSDAY</b>  | 6:34 a.m.<br>6:59 p.m. | 1:52 p.m.<br>11:02 a.m.  | 12:51 a.m. 0.3'<br>1:46 p.m. 0.4'    | 7:16 a.m. 3.7'<br>7:43 p.m. 2.7'  |
| <b>FRIDAY</b>    | 6:34 a.m.<br>6:59 p.m. | -----<br>11:54 a.m.      | 1:33 a.m. 0.7'<br>2:48 p.m. 0.7'     | 8:05 a.m. 3.4'<br>8:51 p.m. 2.4'  |
| <b>APRIL 30</b>  | 6:34 a.m.<br>6:59 p.m. | 12:42 a.m.<br>12:47 p.m. | 2:39 a.m. 1.0'<br>4:24 p.m. 0.8'     | 9:22 a.m. 3.1'<br>10:44 p.m. 2.4' |



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

Chief Warrant Officer 4 Sharnta' Adams  
SHARP Victim Advocate

Work: 805 355 2139

Home: 805 355 3565

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

## Café Roi

\*MENU CURRENT AS OF APRIL 21

### LUNCH

| Sunday         | Monday            | Tuesday               | Wednesday      | Thursday            | Friday               | April 30              |
|----------------|-------------------|-----------------------|----------------|---------------------|----------------------|-----------------------|
| Pork Loin      | Garlic Rosat Beef | Sloppy Joe's          | Grilled Cheese | Tuna Melt           | Fish Sandwich        | Mushroom Swiss Burger |
| Baked Chicken  | Chicken w/ Bacon  | Honey Mustard Chicken | Pork Pimento   | Hamburger Steak     | Apple Glazed Chicken | Roast Pork            |
| Egg Florentine | Egg Muffins       | Cheesy Potatoes       | Egg Foo Young  | Macaroni and Cheese | Succotash            | Onion Rings           |

### DINNER

| Sunday            | Monday           | Tuesday           | Wednesday      | Thursday        | Friday         | April 30             |
|-------------------|------------------|-------------------|----------------|-----------------|----------------|----------------------|
| Southwest Chicken | Chicken Marsala  | Pork Chop         | Grilled Steaks | Fried Chicken   | BBQ Spare Ribs | Roast Chicken        |
| Fish Taco         | Stuffed Peppers  | Herb Roast Turkey | Fried Fish     | Meatloaf        | Fried Fish     | Beef Stew            |
| Rance Style Beans | Stir Fry Veggies | Mashed Potatoes   | Baked Potatoes | Mashed Potatoes | Baked Beans    | Green Bean Casserole |



# USAG-KA SPORTS

## SOFTBALL

### RESULTS LAST WEEK

**April 12**

|                                  |       |
|----------------------------------|-------|
| Spartan Women def. Spartans Blue | 16-6  |
| Spartan Men def. Mud Slingers    | 1-0   |
| Kekambas def. 993-Cartel         | 15-10 |
| Jab Lale def. RF Hazards         | 19-13 |

**April 13**

|                              |       |
|------------------------------|-------|
| Scrubs def. Sparten Women    | 8-3   |
| OFL def. Bat Hit Crazy       | 22-5  |
| Kwajalein def. Bat Hit Crazy | 16-15 |

**April 14**

|                                   |       |
|-----------------------------------|-------|
| Spartans Blue def. Spartans White | 15-14 |
| Spartan Men def. 993- Cartel      | 17-9  |
| Trouble Makers def. Concrete      | 11-5  |
| Spartans Coed def. Tropic Blunder | 13-3  |

**April 15**

|                              |       |
|------------------------------|-------|
| Criminals def. Bat Hit Crazy | 10-9  |
| Old, Fat, & Ugly def. Yokwe  | 19-18 |

### RECORDS

**A League**

|                   | <u>Win</u> | <u>Loss</u> |
|-------------------|------------|-------------|
| Kwajalein         | 6          | 0           |
| Old, Fat and Ugly | 5          | 2           |
| OFL               | 4          | 2           |
| Yokwe             | 2          | 5           |
| Criminals         | 2          | 5           |
| Bat Hit Crazy     | 1          | 6           |

**B League**

|                | <u>Win</u> | <u>Loss</u> |
|----------------|------------|-------------|
| Spartans Men   | 6          | 2           |
| Kekambas       | 6          | 1           |
| Trouble Makers | 5          | 3           |
| 993-Cartel     | 3          | 4           |
| Concrete       | 3          | 4           |

**Coed League**

|                | <u>Win</u> | <u>Loss</u> |
|----------------|------------|-------------|
| Lollygaggers   | 5          | 0           |
| Spartans Coed  | 3          | 1           |
| Tropic Blunder | 2          | 2           |
| Jab Lale       | 1          | 3           |
| RF Hazards     | 0          | 5           |

**Women's League**

|                | <u>Win</u> | <u>Loss</u> |
|----------------|------------|-------------|
| Spartans Women | 6          | 1           |
| Scrubs         | 5          | 1           |
| Spartans Blue  | 2          | 5           |
| Spartans White | 0          | 6           |

In the past two Safely Speakings we introduced you to the 5S methodology and the first 3 S's of the program. Now that we have rid ourselves of all unneeded items and then organized our area to meet our needs, it is time to continue with the third S "Sustain". The two major causes of this failure are:

- Employees are not involved in every step of the process
- Management naively assumes that employees will instantly understand the value of 5S and will practice it.

5S may begin as an event, but thereafter is a never-ending daily process in which the 5th S, Sustain, means not only sustaining the gains, but also to keep improving workplace organization. At the beginning of a 5S process there is a need to actively promote the 5S process, as an ongoing means to continuous improvement. This is because most people are not especially well-organized, and are, in fact, well-practiced at poor organization. Bad habits die hard. To make the situation more challenging, 5S is often the first improvement activity undertaken by a business, so both employees and supervisors are unsure if it will stick. Without constant encouragement, early adopters will be quickly overwhelmed.

Examples of sustaining activities include the blue and yellow cards discussed in S4. Also, devices such as before and after improvement forms, such as the 7 Deadly Wastes form can be used. Adding a few words to amplify the before and after photos is a powerful way to publicly acknowledge 5S efforts and also share good ideas among employees.

\\smdcka30101\Applications\SixSigma\_Training\SSB342\_Intro\_to\_5S\course\_nolms.htm

## BEACH ADVISORY

Be sure to use caution around the exposed coral shelf at Emon Beach!

