

VOLUME 58 NUMBER 5

FEBRUARY 4, 2017

# THE KWAJALEIN HOURGLASS



Pallbearers transfer the remains of the late Leroij Seagull Kabua into Ebeye United Church of Christ during a funeral procession Jan. 2 on Ebeye.

 Jordan Vinson

## THIS WEEK

### RMI REMEMBERS

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# COMMANDER'S CORNER

BY USAG-KA COMMANDER COL. MICHAEL LARSEN



**Y**okwe Team Kwajalein. Welcome to 2017! We are one month into the New Year, and it has proven to be quite busy already. We recently hosted visits by the STRATCOM commanding general (GEN Hyten) and the SMDC commanding general (LTG Dickinson). Thanks to all of the people who worked hard to support their visits.

This week marks the 73rd Anniversary of World War II's Operation Flintlock. Unfortunately, we do not have any of our Flintlock veterans visiting us this year for the anniversary; yet we will remain forever grateful for their personal sacrifices. The success of Operation Flintlock, set the stage for the remainder of the island hopping Pacific campaign and came at a cost of more than 340 valiant U.S. Soldiers and Marines and over 8,000 Japanese warriors. Thanks to the actions of the 7th Infantry Division, the 4th Marine Division, the US Navy, and our Marshallese host nation, we have had the luxury of living in these beautiful islands since Feb. 4, 1944.

A Japanese bereavement group was here last week, honoring their family members who bravely made the ultimate sacrifice for their country while defending Kwajalein Atoll. Their visit included a traditional ceremony at the Japanese Memorial sites on Kwajalein and Roi-Namur. Command Sgt. Maj. Rawlings and I were humbled to be able to participate in the Kwajalein ceremony. Of note, the Japanese ambassador was present for the visit, as well as a member of the Japanese Imperial family who paid respects to his uncle who died during the battle.

My heart is saddened by the loss of a national Marshallese treasure. Lerioj Seagull Kabua passed away recently. We will dearly miss her shining personality. The special relationship that USAG-KA maintains with Seagull's brothers, Iroijlaplap Imata Kabua and Iroij Mike Kabua is one that we cherish. Our most sincere condolences go out to them and their amazing extended family. The command team was very much honored to attend her memorial service on Ebeye on Feb. 2. Please join me in keeping her family in

our thoughts and prayers.

On a more uplifting note, our first round of 2017 town hall meetings will take place at the end of this month. The Kwajalein Town Halls are scheduled for Feb. 23, and the Roi-Namur meetings will be Feb. 24. Meeting times and locations are listed on page 11 of this issue. Command Sgt. Maj. Rawlings and I look forward to your questions, comments and suggestions to help improve our community. If you have something you want to bring to our attention before the Town Halls, please call the Commander's Hotline 51098, or contact us via the Garrison Facebook page. You can remain anonymous or leave your contact information for feedback.

This weekend, when you're watching the Super Bowl, you may see some familiar faces during the commercials. Regardless of your favorite team, I hope you take time to watch the game and have a good time.

I'll see you around the island. Kommol Tata!

—COL Mike Larsen

**Ask  
&  
Answer**



Kwajalein Range Services wants your feedback on how the garrison's Community Services programs are going. Take part in ongoing surveys to voice your opinion on everything from the Kwajalein Hourglass and Mongolian Night at Café Roi, to the golf courses and the Self Help shops. Click on the "We Want Your Feedback" icon on the USAG-KA-Web Intranet home page and type away.



## www.army.mil/kwajalein

Check out USAG-KA's 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.l.maxwell.civ@mail.mil](mailto:Nikki.l.maxwell.civ@mail.mil).

### 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.

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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*Roi-Namur Power Plant Electrician Jim Friedenstab checks the vital signs of the plant's hulking diesel engines, always waiting for calls from RTS staff at the Kiernan Re-entry Measurement Site. It's the thousands of kilowatts of juice the power plant staff provide that keep the radars running and everyone happily employed on the islet, he says.*

# KEEPING THE RADARS HUMMING

BY JORDAN VINSON

**W**hen a foreign nation launches a satellite into orbit, the Department of Defense puts eyes on it quickly, turning to the historic nest of radars at the Kiernan Re-entry Measurement Site on Roi-Namur.

In such a scenario, ALTAIR—a heavy hitter in U.S. space surveillance missions—pivots and tilts in a rush, each movement under the command of sensor operators in the United States. Staring into the reported direction of the launched spacecraft, the hulking radar spits out and sucks in streams of high-frequency electromagnetic waves, detects the “new foreign launch,” fixes on the satellite and tracks it along its orbit around Earth. High-bandwidth KREMS radars like MMW and ALCOR may take a handoff from ALTAIR at this point, switching on and homing in on the satellite’s location to provide detailed imagery of the vehicle—all of which gets packaged up and sent off to the intelligence agencies for further investigation.

It’s an exciting, complex ballet involving physics and national defense. It’s one of the primary missions of the KREMS radar bank at the northern tip of the atoll, and every time a new foreign launch is detected, the Reagan Test Site gets a reaffirmation of the strategic importance and daily utility of the Army and Air Force missions in the Marshalls.

But one crucial element in this chain of events is often overlooked.

If a mission is to track a new foreign launch, keep tabs on thousands of orbiting satellites each month or perform space object identifications of the growing field of man-made debris in orbit, that mission goes nowhere unless the Roi-Namur Power Plant can supply the juice to keep the sensors humming.

“If the power goes down, you don’t have the radars,” says Roi rat Jim Friedenstab, an electrician at the power plant. “And the radars are the reason why we’re here.”

Operating a power plant that feeds an island grid built to power energy-hungry radars used for unpredictable tracking missions is not a normal power plant job. Other power plants

## “When the radars call, we go.”

—Jim Friedenstab, Roi-Namur Power Plant electrician

are often able to source data to identify trends in energy usage and predict peak consumption times, making it easier to know how much energy will be needed when and where. On Roi, those predictive qualities are largely absent.

“Reactive is how I’d call it,” Friedenstab says, turning knobs on a long bank of machines that control the plant’s hulking diesel engines—the real hearts of the radars. Reactive as opposed to predictive, he says: There is no schedule of new foreign launches RTS can send to Friedenstab and his co-workers at the plant. Some satellite tracking and space object identification tasks are scheduled ahead of time and predictable; other regular missions surely aren’t. Not knowing when KREMS is going to need all the juice the plant can muster leaves plant personnel on edge, forcing them to be ready to act in a moment’s notice, Friedenstab says.

“When the radars call, we go,” he explains. “Because right now, I’m running the island on [several] engines. When the radars call, I’ve got to go at least one more engine. ... Sometimes it can get to enough that [several] more engines are switched on.”

Constantly increasing and decreasing large amounts of voltage produced by the plant engines is a delicate balancing act that requires constant vigilance. Ensuring the safety of the grid and the people living and working on the island is a major part of Friedenstab’s job. Too little juice and systems “brown out.” Too much and you get fried equipment and exploded transformers.

“It’s a mad house,” he says. “It drives me nuts.”

The Roi Power Plant, like most, is a 24-hour operation. But, even at night, when the ovens, lights and water heaters are off and the grid energy usage low, the radars need to come online and to perform tracking missions. The process requires just as much work from the plant during the night as during the day. It’s a constant battle, Friedenstab says.

“There’s no holidays,” Friedenstab says. “No, ‘Hey, honey, I’m going to go put this on auto pilot, and we’re going to take off and go have Christmas dinner.’”

Having now spent four years at the Roi-Namur Power Plant, it’s there that Friedenstab has worked some of the most demanding shifts of his nearly 30-year career as an industrial electrician. There’s a learning curve, he says, newcomers should be aware of.

“When you come in here, you don’t know nothing. And you better learn quick,” he says. “Because you’re expected to have an electrical knowledge. And it’s not rocket science. But at the same time, if you’re weak in [terms of] being an electrician, you’re not going to make it.”





# MARSHALLS MOURN PASSING OF LEROIJ SEAGULL KABUA

BY JORDAN VINSON

**Leroij Seagull Kabua** passed away Jan. 24, leaving tens of thousands of Marshallese in mourning. Younger sister to Iroiylaplap Imata Kabua, the paramount chief of the Ralik Chain of the Marshalls, she was one of the highest-ranking traditional leaders in the western Marshalls.

Scores of traditional chiefs, Kabua family members, RMI politicians and U.S. government personnel joined thousands of Ebeye residents Thursday on Ebeye to commemorate her life.

A slow, solemn boat procession carrying Kabua's remains from Kwajalein allowed her family members to reflect both on the contributions she made to Marshallese society and the leadership vacuum she's bound to leave behind. Sitting in the afternoon sun at the Ebeye pier, Iroi Mike Kabua, her brother, said one of her true passions was working to conserve the ways of the past. She had been a strong advocate of preserving and performing traditional Marshallese cultural customs and had devoted much of her life to organizing and helping women, her brother said. Ensuring the longevity of traditional weaving, handicraft making, Marshallese language and healthy homemaking and family relationships for her people were important to her, he said: "It was something that she really enjoyed."

On arrival at the pier, RMI President Hilda Heine, RMI cabinet members, Kwajalein senators, foreign dignitaries and U.S. Army Garrison-Kwajalein Atoll leadership joined Kabua and his family, offering condolences. Having transferred the late leroij's casket to a lead vehicle festooned with woven palm fronds, event directors led a 40-minute procession around the entire island, allowing the thousands of people gathered on the island to pay their respects.

At the Ebeye United Church of Christ, Jobwa Stick Dancers standing guard at the entrance of the building blew conch shells, signaling the final phase of the procession. Pall bearers adorned in traditional attire hoisted Kabua's casket onto their shoulders and began a reverent procession into the church while the church choir and visitors sang hymns.



U.S. Army photo by Jordan Vinson



U.S. Army photo by Nikki Maxwell

**FROM TOP:** The remains of the late Leroij Seagull Kabua, a high-ranking traditional leader in the Ralik Chain, are transferred into Ebeye United Church of Christ on Ebeye Thursday, Feb. 2. Republic of the Marshall Islands President Hilda Heine addresses a packed crowd during the memorial service.



*A vehicle procession starting at the Ebeye pier escorts the remains of Kabua along perimeter streets of Ebeye, giving the thousands of residents gathered in the area an opportunity to pay their last respects.*



*The procession passes a cemetery on the south-east side of Ebeye. Thousands gathered along the streets to see the vehicle procession proceed to Ebeye United Church of Christ.*



**BOTTOM LEFT:** Ebeye residents line the road to bid farewell to the late Iroij.

**BOTTOM RIGHT:** Iroij Mike Kabua, one of Seagull Kabua's surviving brothers, addresses the crowd during the memorial.

U.S. Army photos by Jordan Vinson



U.S. Army photo by Nikki Maxwell



# WWII WARFARE IN THE MARSHALLS

EDITORIAL BY JESSICA DAMBRUCH

**President** Harry S. Truman addressed a Joint Session of Congress in April 1945, after the loss of President Franklin D. Roosevelt: "Our debt to the heroic men and valiant women in the service of our country can never be repaid. They have earned our undying gratitude. America will never forget their sacrifices."

The quotation is inscribed on the National WWII Memorial in Washington, D.C.; it resonates with the sacrifice of infinite battles. Truman challenges Americans to share the labor of striving for peace and liberty, a labor without end. It is a task we shared today, as recipients of the history of the Kwajalein Atoll.

As Jan. 1944 came to an end, Operation Flintlock, the Pacific campaign for the Marshall Islands, was about to launch. The joint forces operation brought together some of America's top military minds and powers. Its success would be the fruit of months of meticulous strategic preparation under the command of Admiral Chester Nimitz, who had submitted his invasion plan on Aug. 20, and now would see it through.

On Jan. 30, the U.S.S Yorktown began the assault on Kwajalein to

clear the way for ground troops on Jan. 31. Battle survivors would recall that few trees were left standing; the heavy shelling of the island razed much of the natural foliage. Airstrike support was supplied by Vice Adm. Marc Mitscher's planes from six light carriers and six fleet carriers, accompanied by cruisers, destroyers and eight battleships.

Backed by three days of naval air bombardment from the Yorktown air group, Soldiers would soon assault the beaches, dodge sniper fire, repel attacks and take hits in the effort to overcome Japanese defenses.

At Kwajalein, Rear Adm. Richmond Turner commanded the forces against Japanese entrenchment with the support of Maj. Gen. Charles Corlett's U.S. Army 7th Infantry Division. Under Rear Adm. Richard Conolly, Maj. Gen. Harry Schmidt's 4th Marine Division headed north to tackle Roi and Namur. After securing Majuro, Rear Adm. Harry Hill's task force was designated as the reserve force ready to assist any of the two invasion forces.

American forces gained control of the islands in a matter of days. The U.S. Marines seized Roi and Namur by Feb. 3. Ebeye was lib-



*The U.S. 7th Infantry Division lay siege to a Japanese blockhouse on Kwajalein during Operation Flintlock.*

erated by Feb. 4. On Feb. 20, U.S. Marines captured Eniwetok where photographer George Strock would shoot some of his most compelling war photography to date, and show the American people the price of war in print.

A modest marker commemorates Operation Flintlock on Kwajalein. It is a reminder to continue the labor Truman urged America to take up over 70 years ago. Inscribed on the local marker are the words of President John F. Kennedy, delivered in his 1961 inaugural address. He compels us to meet the challenging future with endurance and courage: "Let every nation know, whether it wishes U.S. well or ill, that we shall pay any price, bear any burden, meet any hardship, support any friend, oppose any foe, to assure the survival and success of liberty."

## FLINTLOCK FACTS



- The USS North Carolina (pictured above), USS Alabama and USS South Dakota provided a shield for carriers against air attack.
- History is still alive all around us. More 100,000 tons of Allied forces ammunition were used in the battle.
- 36,000 shells struck Kwajalein during the siege. Anyone who spots a piece of UXO should contact Kwajalein EOD.
- More than 150 American aircraft were scuttled in the atoll after the conflict.
- Nearly 200 Marshallese were among the casualties of the battle. 845 American service members were wounded in battle at Kwajalein, 617 at Roi-Namur. Though many are still missing, none are not forgotten.





**LEFT:** Kwaj residents scoot their power boats toward Carlson (Enubuj) to meet island residents and transport a small mountain of donated goods and material to the residents of the island. **RIGHT:** Abigail Bishop hands off a bag of supplies to an Enubuj residents; Kwaj resident Karen Brady, who helped organize the donation drive, watches.

# CARING FOR CARLSON

BY COLLEEN FURGESON, MEDIA SERVICES INTERN

**Several Kwaj residents** made a goodwill trip to Carlson Jan. 30 aboard three private boats to deliver a small mountain of supplies to Enubuj residents. The supplies included clothing, snorkeling gear, food, backpacks, toiletries, towels and much more.

For about three months, the Girl Scouts and the Kwajalein Jr./Sr. High School Torch Club had worked with Kwajalein community members and religious congregations to gather the donated goods to be sent over to help about 10 families who live on the island.

Taking off Jan. 30, the donation crews were forced by rough winds and waves to adjust their plan of arrival. Instead of meeting small boats in the lagoon to transfer the supplies directly to shore, they decided to hand all supplies to the crew of a small boat who made trips through SAR pass to approach the island from its leeward side, sheltered from the high winds. After three long delivery runs, the Enubuj boat had escorted all supplies and a few Kwaj volunteers onto the island. The Kwaj visitors were greeted by Enubuj residents with leis, singing, food, fresh coconut milk and a big thank you for enduring hours on rough waters to deliver the supplies and make the islanders' day.



*Residents of Enubuj (Carlson) pause for a photo, Jan. 30, with volunteers from Kwajalein who brought over a wide array of supplies, toys and other essentials for the island residents.*



# WAR PHOTOGRAPHER CAPTURED PACIFIC BATTLES ON CAMERA

EDITORIAL BY JESSICA DAMBRUCH

**During WWII**, the American public had often witnessed the dynamic photography of George A. Strock on the cover of Life magazine. By the time he reached Kwajalein atoll in 1944, the photojournalist had followed the Allied forces through the Pacific theater of war for two years. Strock's tenacity and artistry were impeccable, and his work would prove both controversial and memorable in the years to come.

Strock's ability to capture the truth on film was not always met with aplomb, though he typically put himself in the middle of the action. Twice on assignment he was nearly killed, once while photographing an enemy combatant whom he'd assumed was deceased.

Though Strock witnessed war through a lens, he aimed to put his audience in the thick of battle. Upon close study, his photos often belie his vantage point; he is often standing in the surf alongside invading Allied forces, dodging bullets with the troops he faithfully documented.

On Jan. 1, 1943, Strock shot a fateful image: fallen American GIs on the beach at Buna Gona, New Guinea. The photo is a sober visual record of the price of war. Up until the release of the photo, it was not permissible to show fallen troops without the bodies covered. Though their faces were not visible in the photograph, censors were polarized as to how such a photo might be shared without damaging home front morale. The decision to publish the photo was ultimately approved by the White House in an effort to dash complacency. It was released for print in September 1943.

Meanwhile, Strock's trajectory propelled him toward Kwajalein Atoll, where warfare would grant numerous opportunities for him to work. Strock was reportedly amidst the first wave of the 22nd regiment of the U.S. Marines as they invaded Eniwetok. He was there on March 13, 1944, when he photographed a Marine dragging a fallen soldier from the water.

The Eniwetok reel is powerful. Before it was released, the face of the fallen soldier had to be manually disguised. To

this day, his identity remains unknown, but the monochromatic picture still faithfully conveys the intense danger Allied forces experienced on the beach that day. Other images from the Battle of Kwajalein demonstrate the fabled obliterated landscape, where only a handful of trees withstood military operations.

Decades removed from World War II, Strock's photographs remain a bold visual record of sacrifice and courage. His black and whites demonstrate how media can preserve a past with the power to shape the future. Strock couldn't always capture the lighter moments of war; rather he showed us the true cost of fighting for freedom on the front lines.

*Strock's iconic photography of combat scenes in the Pacific can be found online at Time, the New York Times and elsewhere.*



*A rare photo of George Strock.*

📷 Public domain image

## VISITORS COMMEMORATE FALLEN AT MEMORIAL

HOURLASS REPORT

**Visitors** from the Japanese Family Bereaved Association visited memorial sites on Roi-Namur and Kwajalein, Jan. 28-29, to honor the Japanese Soldiers who fell during the Battle of Kwajalein in 1944.

The group was the Japanese Family Bereaved Association's latest envoy from Japan to visit battlefield memorials in Micronesia, a program that has continued since the mid-1970s.

More than 20 members of the envoy gathered the morning of Jan. 28 to arrange flags and gifts at the memorial on Kwajalein. They were accompanied by Commander Col. Michael Larsen, Command Sgt. Maj. Angela Rawlings, USAG-KA Host Nations Director Maj. Daniel Lecaria, RMI Host Nations Specialist Michael Sakaio, Japanese Ambassador to the Marshall Islands Hideyuki Mitsuoka and Administrative Officer Seiya Hamada.

Incense, sepia photographs, ornaments, personal tokens, wreaths of white flowers and a small box of paper cranes set a reverent scene at the memorial site. The ceremony included an official address from Ambassador Mitsuoka, singing and a toast offered up to the memory of the deceased and missing. Individual group members were also given the opportunity to approach the memorial to pay their personal respects.

Memorial ceremonies like these commemorate the lives and sacrifices of the various cultural groups that were on Kwajalein and elsewhere in the Marshalls at the time of the war: Japanese, Marshallese, Korean and American.

The Japanese Cemetery on Kwajalein was constructed by Global Associates in 1969 with the aid of funds from the Japan Marshall Islands War Bereaved Families Association.



*FROM TOP: Two visitors pause in silence at Kwajalein's Japanese Memorial. A men's chorus concludes the ceremony.*

📷 U.S. Army photos by Jessica Dambruch





BY JORDAN VINSON



*A sling-jaw wrasse is seen in lagoon waters between North Point on Kwaj and Little Bustard.*

📷 U.S. Army photo by Jordan Vinson

**Captured in this photo** is a sling-jaw wrasse (*Epibulus insidiator*). Found throughout the Indian Ocean and the Pacific Ocean, the sling-jaw is one of several species of wrasses that live in the Marshall Islands.

The sling-jaw gets its name from its extraordinary ability to extend its jaw forward to a length reaching nearly half its total body length, a trait not uncommon in the wrasse, or Labridae, family. Tracking a small crustacean or fish from a distance, it can shoot its protractile jaw outward in the blink of an eye, suck in—like most reef fish to do capture prey—and gulp down its meal. Little shrimp, crabs and fish don't know what hit them.

Adult males, one of which is featured in the above photo, exhibit mostly dark bodies with splashes of red or oranges on the tops of their heads. Their white faces and the black streaks running along their eyes are dead giveaways to the species' identity. Young specimens, on the other hand, are often brown, exhibiting small white stripes; as they continue developing into adulthood they turn bright yellow. During spawning periods, which last from about March to October, the male's colors can intensify when courting his harem of females.

Sling-jaw wrasses live mostly solitary lives among coral-rich seaward reefs and tropical lagoons, residing in water as shallow as a few feet and as deep as 130 feet.

There are currently no major threats to the species, although specimens are collected for food and the aquarium trade. It is on the International Union for Conservation of Nature's least-concerned list.

**Sources:** IUCN Red List; the National Aquarium; World Register of Marine Species; Kwajalein underwater photographer Jeremy Owens.

# ZIKA, HEPATITIS A STILL ON HEALTH PROVIDERS' RADARS

COMMUNITY CONNECTION BY KWAJALEIN HOSPITAL STAFF

**Zika:** On Jan. 26, 2017, a state of emergency was also declared by the President of the Republic of the Marshall Islands due to the outbreak of Zika virus. The last suspected cases (two) reported and IgM +ve case was reported Dec. 28, 2016. No location was specified. No cases have been identified or treated on Kwajalein.

There is no available vaccine for Zika virus at this time. Zika prevention is mosquito prevention. Please continue to dump all standing water and contact Pest Management at 54738 to request service. Protective clothing, use of Deet-containing mosquito repellent, and permethrin application to clothing are helpful in preventing Zika virus transmission. For information on the safe use of insect repellents in children, please visit <http://www.fda.gov/Drugs/EmergencyPreparedness/ucm085277.htm>

**Hepatitis A:** On Jan. 26, 2017, The World Health Organization received a report that Hepatitis A is at epidemic levels in the Marshall Islands. All cases were identified as having occurred in Majuro (capital). The majority of cases were among pre-school and elementary age children. There was one case identified and treated on Kwajalein with an undetermined source of origin.

Hepatitis A is transmitted through the fecal-oral route (contaminated food and water) and person-to person contact. All food handlers are required to have the Hepatitis A vaccine. Handwashing, good hygiene, and safe food preparation assists in the prevention of Hepatitis A.

Medical Services maintains a minimal stock of Hepatitis A vaccine. If you are interested in obtaining the vaccine, please contact the Pharmacy at 53406 to be added to the estimate for ordering. A second dose is required after 6 months to ensure lifetime immunity.

For the awareness of RMI residents, Hepatitis A vaccines were provided to the RMI Ministry of Health by WHO for the immunization of close contacts. RMI residents should contact the RMI Ministry of Health to obtain the vaccine.

**Prevent Hepatitis A:  
Get vaccinated  
before you travel**



📷 CDC illustration

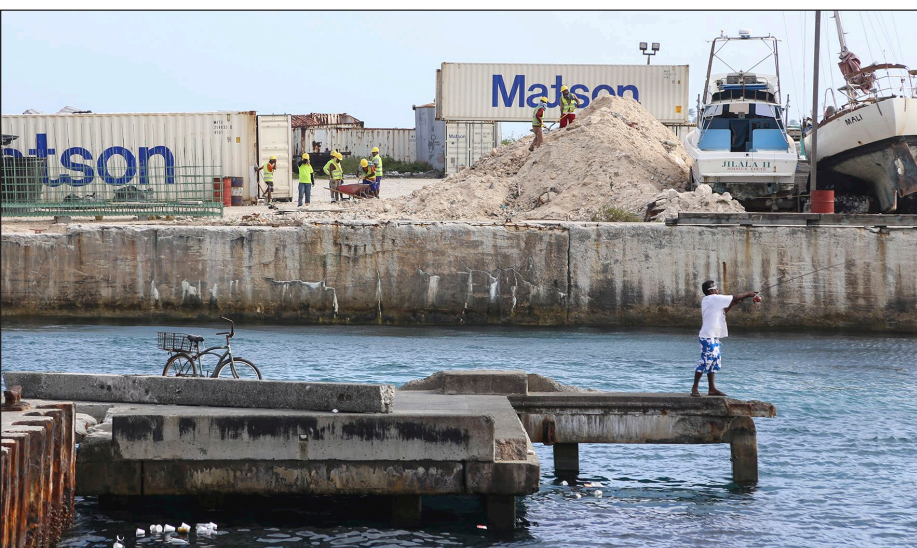
## Sources:

—<https://wwwnc.cdc.gov/travel/destinations/clinician/none/marshall-islands>  
—<http://reliefweb.int/report/world/pacific-syndromic-surveillance-report-week-3-ending-22-january-2017>  
—<http://www.fda.gov/Drugs/EmergencyPreparedness/ucm085277.htm>





*The U.S. Army Vessel Great Bridge and crew transport construction vehicles and supplies during operations last week.*



*Ebeye at work and recreation. Construction workers, background, dismantle a small mountain of aggregate for a building project. A resident, foreground, casts his line into the lagoon for some fishing last week.*

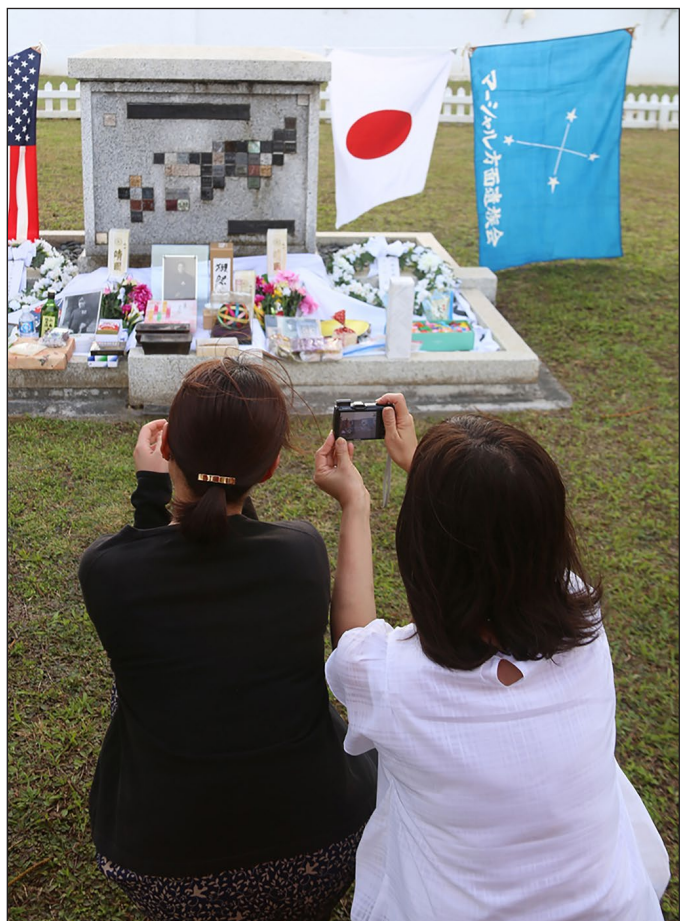


*USAG-KA Command Sgt. Maj. Angela Rawlings, left, and Col. Michael Larsen pay their respects to the Japanese Soldiers who perished on Kwajalein during Operation Flintlock. They joined visitors with the Japanese Family Bereaved Association during the group's visit, Jan. 28-29.*

📷 U.S. Army photos by Jordan Vinson and Jessica Dambruch



*Roi-Namur Power Plant Supervisor Scott Maddox looks over the engine control panels at the plant during a day shift late last month.*



*Japanese visitors to USAG-KA spend time at the Japanese War Memorial on Kwajalein last week. The Japanese Family Bereaved Association toured memorial sites on Roi-Namur and Kwajalein, Jan. 28-29, to commemorate the Japanese Soldiers who fell during the Battle of Kwajalein in 1944.*



# TOWN HALL MEETINGS SCHEDULED



**Kwaj RMI workforce:**  
**Kwaj residents:**  
**Roi RMI workforce:**  
**Roi residents:**

Feb. 23, 1-2:30 p.m., at the chapel  
 Feb. 23, 6:30-8:30 p.m., at the MP Room  
 Feb. 24, 1 p.m., at the theater  
 Feb. 24, 2:30 p.m., at the theater

**\*Call the Commander's Hotline at 51098 to voice questions prior to the meetings.**

## USAG-KA POLICY ON PROTESTS, PICKETING AND SIMILAR DEMONSTRATIONS

**USAG-KA is a military installation** and is thus a non-public forum. Accordingly, unless prior approval is obtained through the Garrison Commander, it is unlawful for any person on USAG-KA to:

1. Display symbols or other materials likely to arouse anger, alarm, or resentment.
2. Engage in protests, public speeches, marches, sit-ins, political displays, or demonstrations.
3. Interrupt or disturb any activity or event, including but not limited to: meals, training, formations, ceremonies, parades, reviews, classes, court-martial, hearings, athletic contests, clinics or camps, performances, competitions, speeches, or other military business.
4. Obstruct movement on any street, road, sidewalk, pathway, or other thoroughfare.
5. Utter to any person abusive, profane, indecent, or otherwise provocative language that by its very utterance tends to excite a breach of the peace.
6. Distribute or post publications, including pamphlets, newspapers, flyers, leaflets, and other printed materials, except through regularly established and approved distribution outlets and places.
7. Circulate petitions or engage in picketing or demonstrations for any purpose.
8. Engage in partisan political campaigning or electioneering.
9. Disobey a request from DA Civilian Police or security guards, or other competent authority to cease an unlawful activity, disperse, move along, or leave the installation. Engaging in these prohibited activities may result in adverse administrative action, up to a bar from the installation.

## 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.**

*The Kwajalein Hourglass*

11



### Island Memorial Chapel

#### CATHOLIC SERVICES

SAT 5:30PM MASS IN SMALL CHAPEL  
 SUN 9:15AM TO 10:30AM MASS IN MAIN CHAPEL  
 10:45AM TO 12 NOON CCD CLASSES, REB, 2ND FLOOR  
 MON, TUES, FRI 4:45PM DAILY MASS, REB LIBRARY  
 WEDS 7:00 TO 8:00PM ADULT ED, REB CONFERENCE ROOM

#### INTERDENOMINATIONAL SERVICES

SUN 8:15AM TO 9:15AM EARLY WORSHIP IN SMALL CHAPEL  
 9:30AM TO 10:35 BIBLE STUDIES, REB, 2ND FLOOR  
 1100AM TO 1215PM (Children's Worship PROVIDED FROM 1120-1200 NOON IN THE REB CONF ROOM ON THE 2ND, 3RD, 4TH SUNDAYS)  
 Nursery provided 0915am-1215pm

#### MON YOUTH GROUPS

SENIOR YOUTH, 6:00PM IN REB CONFERENCE ROOM  
 MIDDLE YOUTH, 6:00PM AT YOUTH CENTER

CHRISTIAN WOMEN'S FELLOWSHIP, FIRST SUNDAY EACH MONTH  
 MEN'S GROUP 5:30PM TO 6:45PM 1ST & 3RD THURSDAYS IN THE REB CONF ROOM

#### LDS SERVICES

SUN 10:00AM TO 11:00AM TO 12 NOON, CRC ROOM 3  
 WED 6:30PM YOUTH GROUP, CRC ROOM 3

CHAPEL BUILDINGS 671/683 LOCATED ACROSS FROM THE AIRPORT

*Saturday, February 4, 2017 / Volume 58 Number 5*





## Soccer Action Tonight

Tom Willis, left, of the Spartans II tries to get the ball away from Mike Terrell of the Rockets. The two teams will meet tonight on Brandon Soccer Field.

## EBEYE IMPROVEMENT PROGRAM

FOR THE PAST SEVERAL MONTHS, THE DIN OF CONSTRUCTION ACTIVITY HAS SHATTERED 5,000 FOOT LONG EBEYE'S ONCE-PLACID AIR. THE OUTHOUSES STILL LOOK OUT TO SEA. RUNDOWN WOODEN HOUSES STILL LINE THE WATER, HOWEVER, HOPEFULLY, BY DECEMBER OF 1967, THE GREAT BULK OF EBEYE'S POPULATION WILL BE LIVING IN 77 MODERN HOUSING UNITS. THE UNITS WILL BE BUILT BY THE MARTIN-ZACHRY COMPANY.

EACH UNIT WILL BE BUILT OF REINFORCED PRE-CAST CONCRETE AND WILL CONTAIN FOUR APARTMENTS.

EACH APARTMENT WILL CONTAIN TWO BEDROOMS, A KITCHEN, A SALT-WATER FLUSH TOILET, AND A WASH AREA WITH A SPIGOT. PARTY WALLS WILL SEPARATE THE APARTMENTS.

THE HOUSING UNITS THAT WERE BUILT IN 1964 WILL BE COMPLETELY REFURBISHED AND EQUIPPED WITH THE SAME REFINEMENTS AS THE UNITS PRESENTLY UNDER CONSTRUCTION. THE EXISTING SEVEN UNITS HAVE ALREADY BEEN COMPLETELY REWIRED.

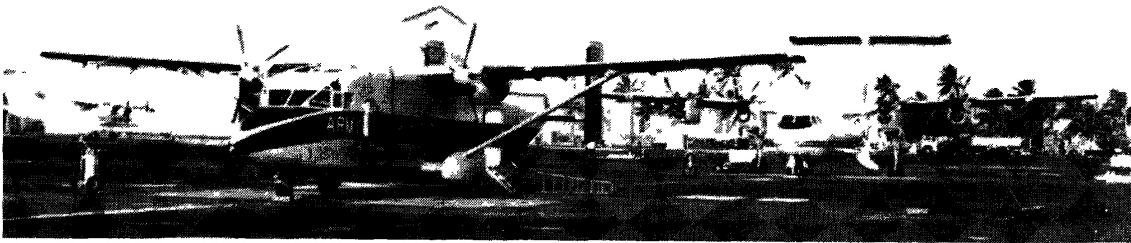
TO DATE, TWENTY UNITS (FLOORS AND WALLS) HAVE BEEN ERECTED. ROOF TRUSSES HAVE BEEN INSTALLED IN EIGHTEEN UNITS. 36 FLOOR SLABS HAVE BEEN PLACED AND 35 UNITS HAVE BEEN TIED IN WITH WATER AND SEWER SERVICE.

ACCORDING TO WILLIAM BENN, PROJECT ENGINEER, ALL THIS WORK WAS ACCOMPLISHED BY 12 CARPENTERS, NINE LABORERS, SEVEN PIPEFITTERS, SIX ELECTRICIANS AND SIX CONCRETE FINISHERS. "THE REST OF OUR MEN WERE TRUCK DRIVERS AND EXCAVATORS. AS A RESULT, WE WERE SLIGHTLY BEHIND IN THE CURRENT PHASE OF OUR PROJECT. THIS CALLED FOR OUR TURNING OVER FIFTEEN COMPLETED UNITS ON FEBRUARY 1ST, TWENTY-ONE UNITS ON FEBRUARY 15TH AND ELEVEN MORE ON MARCH 1ST.

DURING THE PAST WEEK THE MATERIALS AND SKILLED LABOR THAT WE'VE WAITED SO LONG FOR HAVE FINALLY ARRIVED. WE MIGHT EVEN BE ABLE TO FINISH THE PROJECT BEFORE THE EXPECTED COMPLETION DATE OF DECEMBER 1967."

FOUR WATER STORAGE TANKS, EACH WITH A CAPACITY OF 250,000 GALLONS, ARE ALSO BEING BUILT. THIS WILL BOOST THE ISLAND'S WATER STORAGE CAPACITY TO ONE AND A QUARTER MILLION GALLONS AND HELP TO ALLEVIATE ANY FUTURE WATER SHORTAGES.

COMMUTERS....  
WEND THEIR WAY  
HOME TO EBEYE  
ABOARD THE TAR-  
LANG STARRING  
IN THIS "EXODUS  
AT 5" IS A CAST  
OF HUNDREDS --  
THE ENTIRE MIC-  
RONESIAN 7:30 TO  
4:30 WORK FORCE  
ON KWAJALEIN.  
THEIR MTA IS  
THE MARINE DEPARTMENT -- WHO HAVEN'T RAISED FARES IN YEARS.



The last of the Shorts aircraft seems boxy in comparison to the new Dash 7 in the background. (U.S. Army photo by Jackie Siple)

## Goodbye Shorts .... hello Dash 7s

By Jan T. Ma  
Feature writer

Kwajalein's interisland air service between Kwajalein and Roi-Namur went to a full Dash 7 schedule last month as the last Shorts airplane left Kwajalein on January 30.

Three Dash 7 aircraft replaced the four older Shorts which were flown

to an Army contractor overhaul facility in Lakehurst, N.J. and returned to Army inventory.

Comparing the Dash 7 to the Shorts, Chuck Eady, DynCorp aviation manager, said that the Dash 7 has four engines instead of two, can carry 50 passengers instead of 30 and has range of 1000 nautical miles

instead of 600. It also has a dual freeon based air-conditioning system so that the aircraft can be cooled on the ground before starting the engines and is configured with more separation between seats.

"The Dash 7 is a nicer aircraft that will enhance passenger comfort and convenience," said Eady.



# ISRAEL, MDA COMPLETE DAVID'S SLING INTERCEPT TEST SERIES

EXTERNAL REPORT

MDA press release

**JAN 25, 2017**—The Israel Missile Defense Organization (IMDO) of the Directorate of Defense Research and Development (DDR&D) and the U.S. Missile Defense Agency (MDA) successfully completed a test series of the David's Sling Weapons System, a missile defense system that is a central part of Israel's multi-layer anti-missile array.

This test series, designated David's Sling Test-5 (DST-5) was the fifth series of tests of the David's Sling Weapon System. This test series was conducted at Yanat Sea Range, operated out of Palmachim Air Base, Israel.

"This test campaign is a critical step in ensuring Israel has the capability to defend itself from a very real and growing threat," said U.S. Missile Defense Agency Director Vice Adm. Jim Syring. "We remain strongly committed to supporting Israel's development of a missile defense system."

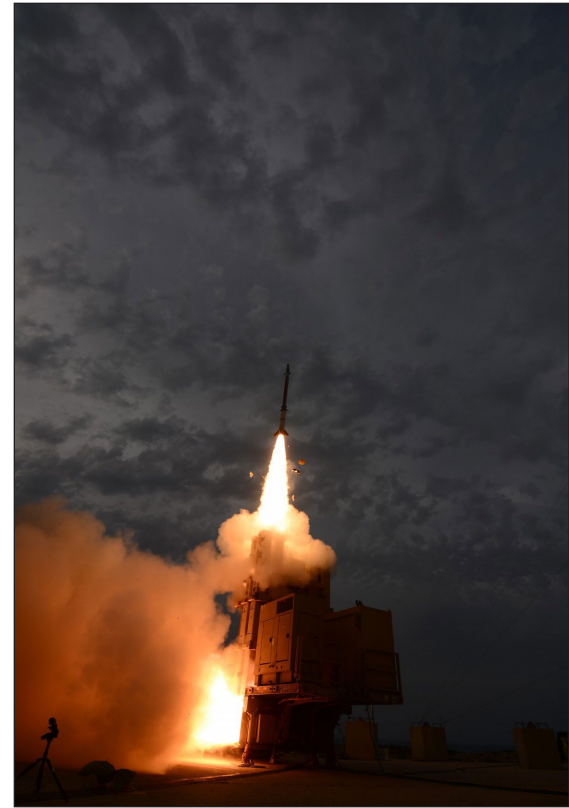
The test examined capabilities and performance of the entire David's Sling Weapon System. Threat-representative targets were launched and successfully intercepted by Stunner missiles. The

Multi-Mission Radar (MMR) detected the target after launch and transferred flight information to the Battle Management Center (BMC), which calculated the defense plan. The interceptors were successfully launched, performed all flight phases and engaged the targets as planned. Preliminary analysis indicates that test objectives were successfully achieved.

The information collected during the test is being analyzed by program engineers and will be used for ongoing development and fielding of the David's Sling Weapon System. This test series provides confidence in future Israeli capabilities to defend against large-caliber rockets and other developing threats.

The David's Sling Weapon System project is a cooperative effort between the United States and Israel to develop a defense against large caliber rockets and short-range ballistic missiles.

The prime contractor for the David's Sling Weapon System Program is Rafael Advanced Defense Systems, with Raytheon Missile Systems as a sub-contractor. The MMR is developed by Elta, a subsidiary of Israel Aerospace Industries. The BMC, known as the Golden Almond, is developed by Elisra, an Elbit subsidiary.



*The Israeli Missile Defense Organization and the MDA launch Stunner interceptors during the DST-5 intercept tests at the Yanat Sea Range in Israel.*



Missile Defense Agency



# WEEKLY WEATHER OUTLOOK

RTS WEATHER STATION STAFF

**Expect things to be dry**, with isolated showers going into the weekend. Scattered showers expected Sunday through Wednesday.

January ended with nine inches of rainfall for the month or 225% above normal; however six inches of that rainfall fell in just two days. Without those days we would have received slightly below normal rainfall.

A weather driver known as the Madden-Julian Oscillation (MJO) will progress eastward across the tropical Pacific during next seven days, enhancing precipitation and cloud cover. In response to the MJO, computer models are showing the Intertropical Convergence Zone (ITCZ) to become more active from Sunday into Wednesday. The core of the ITCZ will remain at latitudes to our south but close enough supporting shower activity in our area. The three-five days before and after an MJO event tend to be drier than average.

Trade winds will remain below advisory levels this week. Expecting ENE at 15-20 knots until Tuesday, then decreasing to 10-15 knots Wednesday and Thursday. With decrease in larger scale trade winds, we may see some brief gusts from odd directions driven by the outflow of convective storms Tuesday and Wednesday.

## PASSPORT RENEWAL OPPORTUNITY COMING

**Consular services** will be available on Kwaj Feb. 14-16 in the USAG-KA HQ building, room 135. Dates and times follow:

**TUESDAY, FEB. 14, 2-4:30 P.M.**

**WEDNESDAY, FEB. 15, 8-11:30 A.M. AND 12:30-4 P.M.**

**THURSDAY, FEB. 16, 8-11:30 A.M. AND 1-4:30 P.M.**

Passport service is on a first-come-first-serve basis.

Bring all appropriate paperwork, photos and cash/money order for payment. Questions? Call 52103 or 55325.



## COMMANDER'S HOTLINE

**HAVE SOMETHING THE USAG-KA COMMANDER SHOULD KNOW ABOUT?**

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



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

Capt. David Rice  
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



	SUNRISE SUNSET	MOONRISE MOONSET	HIGH TIDE	LOW TIDE
<b>SUNDAY</b>	7:10 a.m. 6:57 p.m.	1:27 p.m. 1:16 a.m.	10:47 a.m. 3.1' 11:26 p.m. 2.5'	3:57 a.m. 0.7' 5:27 p.m. 1.1'
<b>MONDAY</b>	7:09 a.m. 6:57 p.m.	2:22 p.m. 2:14 a.m.	12:35 p.m. 3.3' -----	5:39 a.m. 0.9' 7:24 p.m. 0.8'
<b>TUESDAY</b>	7:09 a.m. 6:57 p.m.	3:19 p.m. 3:13 a.m.	1:22 a.m. 2.6' 1:54 p.m. 3.7'	7:16 a.m. 0.7' 8:34 p.m. 0.3'
<b>WEDNESDAY</b>	7:09 a.m. 6:57 p.m.	4:17 p.m. 4:12 a.m.	2:33 a.m. 2.9' 2:50 p.m. 4.2'	8:23 a.m. 0.3' 9:22 p.m. -0.2'
<b>THURSDAY</b>	7:09 a.m. 6:58 p.m.	5:16 p.m. 5:10 a.m.	3:22 a.m. 3.3' 3:34 p.m. 4.6'	9:13 a.m. -0.1' 10:02 p.m. -0.6'
<b>FRIDAY</b>	7:09 a.m. 6:58 p.m.	6:13 p.m. 6:05 a.m.	4:02 a.m. 3.7' 4:13 p.m. 4.8'	9:55 a.m. -0.4' 10:37 p.m. -0.8'
<b>FEBRUARY 11</b>	7:09 a.m. 6:58 p.m.	7:09 p.m. 6:58 a.m.	4:38 a.m. 3.9' 4:49 p.m. 4.9'	10:32 a.m. -0.6' 11:10 p.m. -0.9'

### LUNCH

**Sunday**  
Baked Chicken  
Beef Pasticio  
Vegetable Frittata

**Monday**  
Grilled Turkey Reuben  
Beef Short Ribs  
French Toast Casserole

**Tuesday**  
Grilled Chicken Breast  
Chef's Choice  
Macaroni and Cheese

**Wednesday**  
Sausage and Peppers  
Grilled Cheese Sand.  
Chef's Choice

**Thursday**  
Taco Bar  
Mexican Rice  
Chef's Choice

**Friday**  
Malibu Chicken Sand.  
Fish Du Jour  
Rice Pilaf

**February 11**  
Chicken Alfredo  
Cheese Tortellini  
Pasta Aglio e olio

### DINNER

**Sunday**  
Pot Roast  
Fish Du Jour  
Chef's Choice

**Monday**  
Kwaj Fried Chicken  
Meatloaf  
Chef's Choice

**Tuesday**  
Hawaiian Ham Steak  
Brown Rice  
Vegetarian Sautee

**Wednesday**  
Steak Night  
Roast Chicken  
Baked Potato Bar

**Thursday**  
Pork Pot Roast  
Chicken Stir Fry  
Roasted Potatoes

**Friday**  
Hamburger Bonanza  
Chicken Marsala  
Onion Rings

**February 11**  
Beef Pad Thai  
Generao Tso's Chicken  
Chef's Choice

## Captain Louis S. Zamperini Dining Facility

\*MENU CURRENT AS OF FEB. 2



# COMMUNITY CLASSIFIEDS

## HELP WANTED

Visit [USAJOBS.GOV](http://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. Listings for off-island contract positions are available at [www.krsjv.com](http://www.krsjv.com).

## FOR SALE/YARD SALES

Osprey, 21 foot catamaran sailboat. \$7000. Includes 5hp motor, solar power, VHF radio, stereo, shower, mast (new as of May, 2013), all extras (misc supplies and tools). Needs some repairs (starboard center beam and trailer). Call DJ on Roi: 5-6313 daytime, 5-6056 evening.

## COMMUNITY NOTICES

Christian Women's Fellowship monthly luncheon. 12:30 p.m., Sunday, Feb. 6 at the REB.

KRS Property Management equipment custodian training class. 1-3 p.m., Saturday, Feb. 11, in Public Works conference room upstairs in building 804. This class is required of all NEW KRS property custodians and available for supervisors/managers. Register by calling La'Mesha

Rhodes at 53412.

Put on your boogie shoes! Beginning Feb. 12, the Vets Hall will be hosting dance classes with Josh Parker. All styles of dance will be taught starting with upbeat Latin dances, Salsa and Meringue. There is no charge for the lessons. Class will begin at 6:30 p.m., and the doors will open at 6 p.m. Questions call Jan Abrams or Mike Woundy.

KRC 2017 "Sweetheart" 4x1 mile relay. Starts at 9 a.m., Monday, Feb. 13, outside the bowling alley. Pre-registration forms due Feb. 11; forms located at mini-mall bulletin board and at Qtrs. 473-A, near the tennis courts. Event incorporates handicap system to level playing field, meaning anyone can win. Questions? Call Bob and Jane at 51815 or Ben and Linn at 51990.

2017 Softball Registration open Feb. 14 - 24. Registration fee is \$100 per team. Season runs from March 14 - May 12. "A," "B," "Coed" and "Women's" divisions. Team slots are limited, so register fast! Questions? Email or call Derek at 51275.

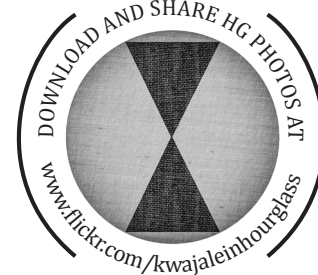
Construction Announcement - Macy's West Side: Phase 3.A is to start early February 2017. The access road between the Shopette and Macy's retail vendor entrance will narrow. For your safety, from 7th street this access road be will closed temporarily to move materials with their equipment, then will re-open for public traffic after the operations are completed. From 7th

street, use alternate routes to access stores/shops during these temporary operations is recommended. Thank you for your co-operation.

Safely Speaking: Handling heavy weather in small boats means paying attention to conditions and using whatever advantages you have to protect the boat from the waves. It's safest to take the waves on the bow, operate near the windward shore, and stay away from the leeward shore.

E-Talk: Coral reefs are one of the most spectacular and fragile of underwater environments, covering less than one percent of the ocean floor but supporting an estimated 25 percent of all marine life. Even though they are located

in the tropics, coral reefs benefit people and the natural world far beyond their boundaries. Coral reefs are in trouble around the globe: 11 percent of the world's coral reefs have been lost and another 16 percent were severely damaged during the 1998 El Niño event. Scientists predict that another 32 percent may be lost in the next 30 years if human threats are not reduced.



**Armed Services Vocational Battery testing opportunities are coming. Dates, times, locations follow. Questions? Call 52103 or 55325.**

DATE	Time	LOCATION	PLACE	TYPE TEST
Monday, Feb. 6 2017	8:30 a.m. & 1 p.m.	Ebeye	Kwajalein Atoll High School (Gugeegu)	ASVAB for high school students
Tuesday, Feb. 7 2017	8:30 a.m. & 1 p.m.	Ebeye	Ebeye Public Elementary School	ASVAB for high school students
Tuesday, Feb. 7 2017	1 p.m.	USAG-KA	Religious Education Building (REB)	Enlistment Test for Kwajalein adult residents and C-badge workers
Wednesday Feb. 8 2017	8:30 a.m.	USAG-KA	CRC Room 1	ASVAB for high school students

## Café Roi

\*MENU CURRENT AS OF FEB. 2

### LUNCH

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	February 11
BBQ Pork Sparerib	Lemon Baked Chicken	Grilled Ham and Swiss Sand.	Chicken Parmesan	Quesadilla	Tuna Melt	Chicken Fajita Wrap
Chicken Ala King	Baked Fish	Da Kine Loco Moco Spam	Roast Pepper Steak	Glazed Pork Loin	Country Meatloaf	Parker Ranch Stew
Eggs a La Lucio	Egg and Cheese Sand.	Stir Fry Noodle	Mashed Potatoes	Parsley Potatoes	Mac and Cheese	Corn on the Cob

### DINNER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	February 11
Sausage and Peppers	Swiss Beef Steak	Beef Machaca	Carved Roast Beef	Fried Chicken	Quiche	Oven Broiled Mahi Mahi
Marinara Pasta	Pork Adobo	Enchilada Casserole	Thai Coconut Chicken	Stuffed Cabbage	Bacon and Sausage	Breaded Chicken Sand.
Italian Meatballs	Brown Rice Stir Fry	Spanish Rice	Baked Potato Bar	Mashed Potatoes	Country Potatoes	Cheese Tortellini



# USAG-KA SPORTS

## WATER POLO

### RESULTS LAST WEEK

#### JAN. 24

Chargoggog def. El Polo Loco	27-18
Spartans def. Zissou	43-30
Turbo Turtles def. Tyler's Angels	44-30

#### JAN. 28

El Polo Loco tied Zissou	13-13
Chargoggog def. Tyler's Angels	27-13
Turbo Turtles def. Spartans	57-36

### RECORDS

	Win	Loss	Tie
Chargoggog	2	0	
Turbo Turtles	2	0	
Spartans	1	1	
El Polo Loco	0	1	1
Zissou	0	1	1

## BASKETBALL

### RESULTS LAST WEEK

#### JAN. 24

Space Jam def. Outkasts	45-38
Savages def. Vikings	52-44

#### JAN. 25

And One def. Unforgettable	39-20
Monstars def. The Tennis Players	39-33
Faith def. Spartans I	72-54
Fun-Da-Mentals def. Unknown	49-28

#### JAN. 26

Vikings def. Spartans II	59-39
Savages def. Space Jam	37-30

#### JAN. 27

Monstars def. Unforgettable	40-31
And One def. The Tennis Players	57-30
Faith def. Hoopless	55-48
Spartans I def. Unknown	43-38

### A LEAGUE RECORDS

	Win	Loss
Fun-Da-Mentals	3	0
Faith	3	0
Spartans I	1	2
Hoopless	1	2
Unknown	0	4

### B LEAGUE RECORDS

	Win	Loss
Space Jam	2	1
Savages	2	1
Outkasts	1	1
Vikings	1	1
Spartans II	0	2

### HIGH SCHOOL LEAGUE RECORDS

	Win	Loss
And One	2	1
Monstars	3	0
Unforgettable	0	3
Tennis	1	2



# SIMPLY



### HOURLASS REPORT

**Fire in the grill**, under hot dogs and burgers, is a welcome sight at the family cookout. But fire anywhere else can make your barbecue memorable for all the wrong reasons.

#### SAFETY TIPS

- Position the grill well away from siding, deck railings and out from under eaves and overhanging branches.
- Place the grill a safe distance from lawn games, play areas and foot traffic.
- Keep children and pets away from the grill area: declare a three-foot "safe zone" around the grill.
- Put out several long-handled grilling tools to give the chef plenty of clearance from heat and flames when flipping burgers.
- Periodically remove grease or fat buildup in trays below grill so it cannot be ignited by a hot grill.
- If you have a charcoal grill, purchase the proper starter fluid and store the can out of reach of children, and away from heat sources.
- If you have a propane grill, check the propane cylinder hose for leaks before using it. A light soap and water solution applied to the hose will quickly reveal escaping propane by releasing bubbles. Have leaking fuel lines repaired before using.
- All propane cylinders manufactured after April 2002 must have overfill protection devices (OPD). OPDs shut off the flow of propane before capacity is reached, limiting the potential for release of propane gas if the cylinder heats up. OPDs are easily identified by their triangular-shaped hand wheel.