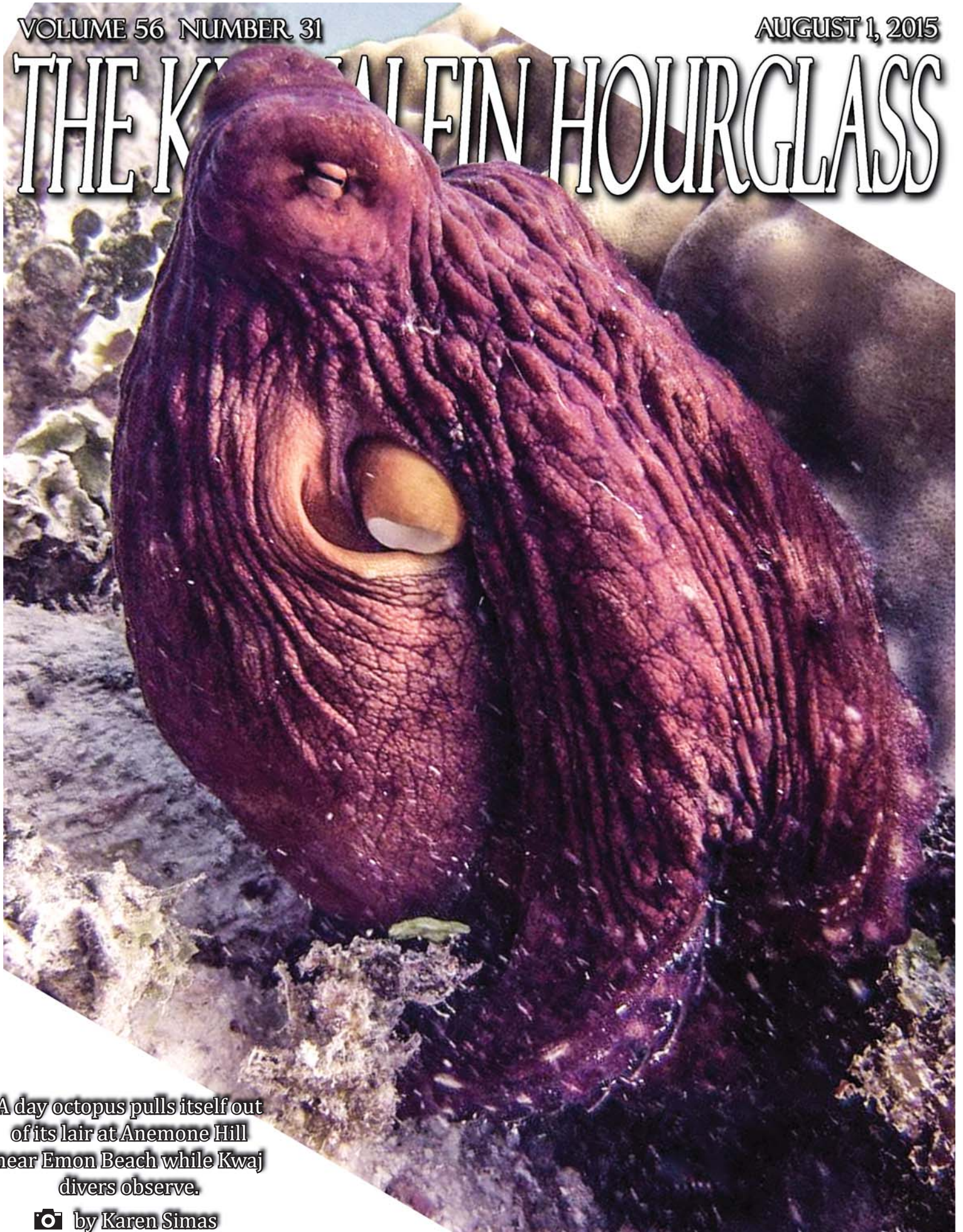


VOLUME 56 NUMBER 31

AUGUST 1, 2015

# THE KWAJALEIN HOURGLASS



A day octopus pulls itself out  
of its lair at Anemone Hill  
near Emon Beach while Kwaj  
divers observe.

by Karen Simas



## Underwater Photos of the Week



### HOURLASS REPORTS

**T**his day octopus (*Octopus cyanea*; also referred to as the "big blue octopus") was recently photographed by Kwajalein resident Karen Simas at a dive location called Anemone Hill, located off Emon Beach.

Found throughout the Pacific and Indian Oceans, day octopuses are on the larger side, with bodies reaching at least six inches in length and legs growing to at least 2.5 feet in length. They excavate lairs in coral reefs for protection, which may be identified by the small piles of shells and other remnants of prey that they leave outside.

Because the species feeds during the day—hence its common name—it has developed an exceptional ability to camouflage itself. Powered by nervous impulses sent out by their large, complex brains, the octopuses constantly actuate muscles all over their bodies to produce changing color patterns and skin textures to blend in to the sand, rocky coral or debris that surrounds them. The trait makes them hard to pick out by would-be predators, such as Hawaiian monk seals, large fish, sharks, dolphins and, of course, humans and gives them an edge when out on the prowl for shrimp, fish, crabs and other mollusks.

The day octopus has not yet been listed as threatened or endangered by the International Union for the Conservation of Nature.



📷 Day octopus by Karen Simas.

## DR. CHRISTINE ALTENDORF

*Director, U.S. Army  
Installation Management  
Command, Pacific Region*

... cordially invites you to attend  
the U.S. Army Garrison-Kwajalein  
Atoll Change of Command  
Ceremony, during which ...

## COL. NESTOR SADLER

relinquishes command to

## COL. MICHAEL LARSEN

**3:30 p.m.  
Wednesday**

**At the Fixed  
Wing Hangar**



## 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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Garrison CSM..... Sgt. 1st Class Thomas  
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# MANIT MINUTE

CONTINUED FROM JULY 25.

HEREDITARY KINGS OF THE MARSHALL ISLANDS: THEN AND NOW. ORIGINALLY PRINTED IN THE KWAJALEIN HOURGLASS JUNE 15, 1969. **BY PAT CATALDO**

## In the time of the whalers

**I**n the early 1800s, before the missionaries, in the time of the whalers, the most powerful clan in the Ralik Marshalls was the Ejjowa, in the southern islands of Ebon, Jaluit,

Namorikk, Kili and Ailinglaplap. In those days, everyone in the Ejjowa Clan was an iroij or had the blood of iroij. The name of the great Ejjowa king was Jemeliut.

Then a cunning, ruthless and powerful king arose from the Ijidik Clan in the northern islands of Kwajalein,

Ujae, Lae and Wotho. He was Lannini of Wotho, who was to gather a great war party and conquer the Ejjowa.

Lannini is sometimes known as Lannini Kabel (Lannini the Smart) for the ways he outsmarted his enemies. For instance, he made a special point to have some of his blood in the Ejjowa clan in order to gain control of that clan. He arranged marriages

of some of his sisters (including, by custom, his mother's sister's daughters) to Ejjowa Clan bwirak who controlled the eastern islands of Ebon, Kili and Namorik. (\*bwirak are sons of an iroij father and a commoner mother; while not so powerful as those whose parents are both of royal blood, they are nevertheless members of royalty and landowners.)

Because of Marshallese customs, sons born to these sisters regarded their uncle, Lannini, as their chief (\*Again: Marshallese children are born into their mother's clan, which is always different from their father's clan.)

## Lannini the Hypocrite

This wily king is also known as Lannini Etao (Lannini the Hypocrite), and the following stories show why.

It was typical of Lannini to kill anyone in his clan who became too powerful. One time he made up his mind that the husband of one of his own sisters must be eliminated.

First, he privately told some of his subjects to bring him five or six coconut shells filled with jenneb, a very nourishing, satisfying liquid food made by mixing water with a dried cake of boiled pandanus juice. Then he secretly dispatched a warrior to behead his brother-in-law.

When reports of the death reached him, Lannini refused all food for two weeks, limiting himself to what everyone supposed were sips of water from the coconut shells. In reality, he was sustaining himself very well on the jenneb. His sister assumed that Lannini was fasting to join her in mourning, and so no trouble arose between them.

## Two With One Blow

Another time, Lannini was living on Woja, an island on Ailinglaplap Atoll where there lived two other iroij, one of whom was very powerful. To eliminate both kings, Lannini devised a sly plan. When he caught a big fish he sent the head to the powerful iroij and only the tail to the other. When he sent breadfruit Lannini sent betaktak (the best kind) to the powerful chief and mejwan (the poorest kind) to the other.

Then Lannini had his people report to the lesser iroij that he was sorry he could send only mejwan and the tails of fish, but he was afraid of the powerful iroij and must send the best to him.

Enraged by these humiliations, the lesser iroij gathered his warriors and killed the other chief. Free from the threat of his powerful enemy, Lannini soon killed the remaining iroij.

## Strange Idiosyncrasy

Lannini had a strange idiosyncrasy, the memory of which is preserved in a Marshallese saying, Ejerakrok in Lannini, which means "Lannini's kind of sailing." It is told that Lannini would announce, "Tomorrow we sail from Kwajalein to make war on the south." Everyone would hurry to collect supplies and meet on the beach ... only to find that Lannini really meant, "We will sail any time from now on," perhaps as much as a year later. Ejerakrok in Lannini might be the response of a contemporary Marshall Islander to someone who off-handedly suggests, "Let's sail to Ailinglaplap tomorrow."

THIS STORY CONTINUES AUG. 8



From Jordan Vinson



# AN EXCHANGE

Interview and  by Jordan Vinson

**U.S. ARMY GARRISON-KWAJALEIN ATOLL COMMANDER COL. NESTOR SADLER** will finish his tour of duty on the installation next week, two years after taking command in the summer of 2013. In an interview with the Kwajalein Hourglass, Sadler discusses both the challenges and successes he's experienced during his tour of duty on the atoll, the aspects of the garrison he'll miss the most and the cherished memories of Kwaj, Roi and neighboring islands that he'll take with him into the future.

**What are some of the highlights of your tenure at U.S. Army Garrison-Kwajalein Atoll?**

Really the highlight was just having the honor and the privilege to serve with such a professional, diverse, resilient and dedicated group of people on the island across the board. So that's really and truly the highlight of my career and my command.

**What goals did you have in mind when you took Command in the summer of 2013? Did you meet those goals?**

I had several objectives or goals. One was the transfer of the installation from the Space and Missile Defense Command to the Installation Management Command. And one of the things that I worked hard to do was to make that as seamless as possible. I think for the most part it was; it didn't really have an impact on the community in terms of an impact on the missions and mission support. I think that went extremely well. Another goal for me was to make sure that I was a visible leader throughout the community, one that was involved in a lot of different aspects, not just focused centrally on military issues and military personnel. Whether there were contractor issues or concerns, Marshallese and Host Nation issues and concerns and so on, my goal was to be on it. And just being a part of the community. I think I did that extremely well. I was

involved in a lot of activities and groups, whether it was playing tennis with the tennis club, going scuba diving or saying farewell to community members at many PCS parties. Lastly, the objective was to simply emphasize and enhance the strength of the garrison as a community or a family of families—the Kwaj and Roi family.

**You're closing in on two years of command of USAG-KA. Knowing now what you didn't know when you first took command, is there anything that you would have done differently?**

No, I don't think I would have done anything differently per se. However, there are things that I wish I could have accomplished or done more of. And primarily this centers on resources. I wish I could have brought in more monies. I wish I could have brought in more equipment. And I wish I could have brought in more Department of the Army civilian personnel.

**What will your next assignment be?**

I will be the Commandant for the Special Forces Regiment at the John F. Kennedy Special Warfare Center and School at Fort Bragg, North Carolina.

**What responsibilities will you have as Commandant?**

As the Commandant I'll serve as the doctrine integrator for everything relating to Special Forces training. It's an opportunity for me to actually give back and pay forward to all the young Soldiers that will be coming through our Special Forces training pipeline.

**That ties into your previous experience working within the Special Forces, correct?**

Yes, I've been in the Special Forces ever since 1993, and every Special Forces officer has to go through the Special Forces Assessment and Selection Training as well as the Special Forces qualification courses and all of the other courses and schools that our Special Warfare Center and School operates. So being able to go back there and be part of that institution is actually an honor. To be able to bring the young paratroopers and young Special Forces Soldiers through the same training that I went through 23 years ago is quite exciting.

Those are the things that, in my tenure, I got after and got some results, but definitely not what I would have liked to have seen happen.

*You've been in one of the most challenging jobs on the garrison. What were some of the major obstacles that you had to confront during your tenure as Commander?*

The lack of resources, primarily adequate resources to address the facilities issues and deferred maintenance issues. Those are probably the biggest challenges here across the board. It will continue for some time until sustained funding comes to the garrison and we start getting after things we need to get after.

*What will you miss about USAG-KA?*

It's about the people, and that's really what I'm going to miss: good people and a great, family-oriented community. Everyone here is ready to help and assist everyone else. So it's the people, by far, whom I'm going to miss most of all after Monica and I leave.

*How would you like to be remembered after you leave?*

I'd like to be remembered simply as a passionate, fair and effective leader. And, really, that pretty much sums it up. My legacy really isn't about me or how people remember me, but really how I left the Command in terms of its reputation and its ability to continue to build on the successes of the previous 27 other Commanders of this installation. I'm just one of many. It's as part of the Command's overall legacy that I should really be remembered.

*What advice would you give to the next Commander?*

One of the things we were able to successfully do in my two years is get Kwaj on the map. What I mean by that is that Kwajalein is now being talked about throughout the Pentagon. As you guys know, the Chairman of the Joint Chiefs of Staff Gen. Martin Dempsey was here. The Triple Crown—as I like to call them—the Secretaries of the Army, Air Force and Navy—have been to Kwaj. Space and Missile Defense Commander Lt. Gen. David Mann is a big advocate of Kwaj and has done an excellent job in getting the word out to our government folks, our money folks. Kwaj is on the map. It's a known place albeit very small. Everyone in the building in the Pentagon knows Kwaj and knows our concerns and challenges. So that's a good news story. Keeping this interest in USAG-KA up, then, will be advantageous for the coming Commander and his successors.

## GARRISON EMPLOYEES HONORED FOR 10 YEARS OF SERVICE



Kwajalein Range Services employees who reached an impressive 10-year employment record on the garrison are honored by community leaders July 25.

📷 Jordan Vinson

### HOURLASS REPORTS

A couple of dozen Kwajalein Range Services employees were commended July 25 for reaching an impressive milestone in their professional careers.

At a special luncheon prepared by Kwajalein Range Services management at the Corlett Recreation Center, the employees were acknowledged for having worked 10 consecutive years on the Army installation.

"You all have done an outstanding job in each of your

work areas," said Brian Coombe, KRS deputy project manager for business services at CRC Room 1. "10 years is not an insignificant amount of time. That's a decade of work and dedication to the mission that this installation supports and the community that lives on it. Without all of you we wouldn't be where we are today. So again, thank you sincerely for your tireless work, and may the next 10 years in your careers be just as successful."

The employees whom community leaders recognized July 25 work in a variety of fields, from telemetry and computer networking, to logistics and warehousing, to human resources, construction and other areas.

## TENNIS CLUB TOASTS COMMANDER



📷 From Mike Sakaio

### HOURLASS REPORTS

The Kwajalein Tennis Club held a tennis doubles challenge and social event at the tennis courts July 26 in honor of Col. Sadler and his wife Monica. Sadler is an avid, fearless, and regular challenger of the tennis courts.



# READY AND RESILIENT WELLNESS CALENDAR

Events are sponsored by the Community Health Promotional Council and are free of charge to the community.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Spiritual Resilience. All welcome.	Circuit Training, 8 a.m., at Ivey Gym.	Cross Fit, 5:15 a.m., at the Adult Pool.	Circuit Training, 5 a.m., at Ivey Gym.	Cross Fit, 5:15 a.m., at Ivey Gym.	Circuit Training, 5 a.m., at Ivey Gym.	Cross Fit, 5:15 a.m., at Ivey Gym.
Smoking Cessation classes ongoing. Call 55362.	The Realist MMA, 9 a.m., at CRC Room 6	Pick-up tennis, 5:30 p.m., at the tennis courts.	Grace Sherwood Library Summer Reading Program session, 10 a.m., at the library.	Interval Training, 5:15 p.m., at intersection of Sprint and Ocean.	Pick-up ultimate frisbee, 6 p.m., near the soccer fields.	Family Swim Time, 9:30 a.m., at the Family Pool.
	Kwajalein For Christ, 3:30 p.m., at the Youth Center.			Pick-up tennis, 5:30 p.m., at the tennis courts.		Pick-up tennis, 5:30 p.m., at the tennis courts.
	Pick-up ultimate frisbee, 4:30 p.m., near the soccer fields.			AA Program, 6:30 p.m., at the REB.		
	Pick-up soccer, 6 p.m., at Brandon Field.					

## HELP WANTED

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 Building 700 and on the USAG-KA webpage under Contractor Information>KRS>Human Resources>Job Opportunities. Job listings for off-island contract positions are available at [www.krsjv.com](http://www.krsjv.com).

A number of positions are available in the Community Services group, including teachers, clubs supervisor, nurses and more. Please see Human Resources for

the file of available on-island positions or [www.krsjv.com](http://www.krsjv.com) for contract slots.

KRS is searching for available, on island licensed registered nurses, individuals with medical billing and coding experience, and dental hygienists. For more information, please contact HR/Julie Gooch at the Temp Pool at 50777.

## LOST

Hand-carved stylized wooden sea turtle necklace. Reward offered. Call Billy or Jane at 51806 after 5 p.m. and leave message if no one answers please.

## FOR SALE

Sony Vaio 24-inch touch screen all-in-one desktop computer, Intel core i7 quad core processor, 2 TB hard drive, digital tuner, HDMI in/out, Blu-ray writer, 2GB dedicated NVIDIA graphics, Office Professional Plus installed, face recognition software, remote, wireless mouse and keyboard, wall mount, \$800; American Girl doll (1 available) \$25; American Girl Doll horse (1 available) \$50; American Girl Doll Indian teepee, \$50; American Girl Doll Indian Bedroll, \$50; American Girl Doll miscellaneous clothing and accessories, \$25 or \$175 for all American Girl Doll items. Large box of boy's toys, \$25; Apple iPad mini with cellular, new in box with case, \$275. Call 52597.

## COMMUNITY NOTICES

Loosen up those pipes and join us for Karaoke at 7:30 p.m., Sunday, at the Vet's Hall. Sing your heart out, and have some fun. Questions? Contact Jan Abrams or Mike Woundy.

The Roi-Namur Dolphin SCUBA Club Monthly Meeting is scheduled for 7 p.m. in the C-Building. All members and anyone wishing to learn to SCUBA dive are welcome to attend.

Come out to Bingo at the Vets Hall Thursday. Card sales begin at 5:30 p.m.; Bingo begins at 6:30 p.m. Payout Packet price, \$25. Windfall completion at 34 numbers: \$3,300 payout. Blackout completion at 56 numbers: \$2,700 payout. No outside alcoholic beverages permitted. Must be 21 to enter and play; bring your ID.

Kindergarten Registration for the 2015-2016 George Seitz Elementary School Year is open until Aug. 21. Children eligible for Kindergarten must turn five years old by Sept. 1. Please contact the Elementary School office at 53601 for information, or stop by to register your child.

CYSS Youth Basketball registration is open Aug. 5-29 for the Sept. 9-Oct. 22 season. To register, contact Central Registration staff at 52158, or visit Central Registration at Building 358. Questions about the program? Call Jason Huwe at 53796.

## Religious Services

### Catholic

- 5:30 p.m., Saturday, Small Chapel
- 9:15 a.m., Sunday, Island Memorial Chapel

- Roi-Namur service, 4:45 p.m., second and fourth Friday of each month. Appointments with Fr. Vic available after dinner.

### Protestant

- 11 a.m., Sunday, Island Memorial Chapel
- 6:30 p.m., Friday, Roi Chapel

### Latter-day Saints

- 10 a.m., Sunday, CRC Room 3
- Contact the chaplain's office at 53505 for more information.

## Captain Louis S. Zamperini Dining Facility

\*MENU CURRENT AS OF JULY 30

### Lunch

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Aug. 8
Boneless chick. w/ salsa	Memphis spare ribs	Fried chicken	Grilled cheese sandwich	Cuban sandwich	Salisbury steak	Italian grilled chicken
Nacho beef	Chicken cord on bleu	Braised steak w/ peppers	Baked meatloaf	Jerk chicken	Fish du jour	Pizza
Spanish rice	Quiche lorraine	Baked beans	BBQ chicken	Roasted potatoes	Chili dogs	Pasta carbonara

### Dinner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Aug. 8
BBQ chicken	Sliced roast beef	Lasagna	Grilled flank steak	Pork adobo	Sloppy joes	Pancake Supper Night
Beef stew	Spicy tofu w/ veggies	Chicken cacciatore	Garlic roast chicken	Chicken stir-fry	Citrus roast chicken	Grilled ham steak
Mac and cheese	Mashed potatoes	Garlic bread	Baked potatoes	Parslied potatoes	Fettucine aglio e olio	Biscuits and gravy

The Catholic High School on Ebeye is looking for volunteers to teach English and computer classes this coming school year. If you are looking for a great volunteer opportunity, please contact Fr. Buhake at longin.buhake.ctr@mail.mil, or call 53505.

Public Works would like your opinion regarding newly proposed hours for Kwajalein Self Help. Current hours are: Monday, Tuesday, Saturday 8:30 a.m.-5:30 p.m. (closed 12:30-1:30 p.m. for lunch). Newly proposed hours are Tuesday-Saturday 12:30-5:30 p.m. Voice your opinion using a survey located at: <https://www.surveymonkey.com/r/KwajSelfHelp>.

Dog Owners, please pick up after your dog in the dog park. Having the dog park is not a right but a privilege that can be taken away if we do not take care of it.

Kwajalein Schools is soliciting bids for an on-island photographer to take pictures for the upcoming 2015-2016 school year. If interested, please pick up the specification of requirements at the high school office. Questions? Call the office at 52011.

Island Memorial Chapel's "Bible Study Digital Library" is a media service with over 8,000 videos for kids, youth and adults to watch on ANY device. If you'd like an invitation to our "Right-Now Media" membership (at no charge) email Pastor Kevin at: [kevin.m.wilson7@gmail.com](mailto:kevin.m.wilson7@gmail.com) or [kevin.m.wilson145.ctr@mail.mil](mailto:kevin.m.wilson145.ctr@mail.mil)

Ultimate Frisbee. 4:30 p.m. every Monday and 6 p.m. Friday near the soccer fields. If

you've played before then you know how much fun this great workout is. If you haven't, it's a combination of soccer and no-contact football played with a Frisbee. For questions or more information please email Ben-Gleich@hotmail.com.

Save energy. You have the power to conserve. Fill your dryer, but don't pack it too tightly. Clean the lint screen after each load. Keep your dryer's outside exhaust pipe clean. Use your dryer's automatic dry cycle rather than a timed cycle. Separate loads into heavy and light items, since lightweight items take less drying time than heavy ones.

E-Talk: The Eniwetak Conservation Area has been established to promote conservation of wildlife and coral reef resources. Visitors are NOT allowed without consent from USAG-KA.—Eniwetak ej juon ian ene jidrik ko iloan Kwajalein Atoll in emoj watoke einwot juon jikin 'MO' ikijen kakkure keinnikan ko ie im eonod ak bok jeramon jen lojet eo ibelakin. Ejjab melim an jabrewot etal non ene in kenono kake elane ejellok alikar im jabrewot jen USAG-KA.

Safely Speaking: Before using any scaffold, make sure you know how to safely use it and that it has been inspected by a qualified and competent person to make sure it is safe! Never use a scaffold that has a RED or a WHITE tag posted on it.—Mokta jen kojerbal scaffold ko kajojo, ej aikujuin wor etale ko jen juon eo ewor an kabeel nan kalikar elane ekkar nan kojerbali! Jab kojerbal scaffold ko im ewor tag eo EBIRORO ak MOUJ ie im emoj köddrebe.

## ATTENTION B-BOAT CAPTAINS

**Y**ou are responsible for the safe and responsible operation of your rental vessel. If damage occurs, the licensed operator may be charged for the damage or destruction and have his or her license revoked. All incidents will be reported to the PMO.



**B**e sure to inspect your boat prior to departing the SBM and notify the staff of any issues.

## THUMBS UP

... to Michael Hayes for coordinating the Kwajalein Scuba Club's Ladies' Dive event at Emon Beach in conjunction with the worldwide Ladies Dive Day. While we KSC women dived, the KSC men cooked and served us lunch at the beach. Awesome turnout, and thank you again.



### Café Roi

\*MENU CURRENT AS OF JULY 30

#### Lunch

##### Sunday

Roasted cornish hen  
Veggie frittata  
Au gratin potatoes

##### Monday

Roasted pork loin  
Grilled chicken strips  
Southern benedict

##### Tuesday

Jamaican patties  
Dry rub roast beef  
Corn on the cob

##### Wednesday

Monte cristo sandwich  
Pork chop  
Wild rice

##### Thursday

Chicken sandwich  
Beef stroganoff  
Tofu stir-fry

##### Friday

Salmon cakes  
Italian sausage hoagies  
Potatoes O'Brien

##### Aug. 8

Chicken quesadillas  
Beef tacos  
Pinto beans

#### Dinner

##### Sunday

Beef enchiladas  
Chicken chimichangas  
Cilantro-lime rice

##### Monday

Roasted turkey  
Beef stew  
Stuffing

##### Tuesday

Kalua pork  
Baked fish  
Veggie fried rice

##### Wednesday

Charcoal grilled steak  
Broiled huli huli chick.  
Baked potatoes

##### Thursday

Fried chicken  
London broil  
Cornbread

##### Friday

Mongolian Grill Night  
Egg rolls  
Noodles

##### Aug. 8

Char-grilled hamburgers  
Homemade chili  
3-cheese pasta



# DISPATCH FROM ROI



From Darlene Swafford

## Weather

Courtesy of RTS Weather

Day	Skies	Chance of Rain	Winds
Sunday	Mostly Cloudy	15%	ESE-SE at 6-11 knots
Monday	Partly Sunny	<10%	ESE-SE at 5-10 knots
Tuesday	Partly Sunny	15%	ENE-ESE at 3-8 knots
Wednesday	Partly Sunny	10%	ENE-ESE at 3-8 knots
Thursday	Mostly Sunny	<10%	ENE-ESE at 3-8 knots
Friday	Mostly Sunny	10%	ENE-ESE at 2-7 knots

Yearly rainfall total: 77.58 inches

Yearly rainfall deviation: +36.82 inches

Call 54700 for updated forecasts or visit [www.rts-wx.com](http://www.rts-wx.com).

	Sunrise Sunset	Moonrise Moonset	Low Tide	High Tide
<b>Sunday</b>	6:41 a.m. 7:10 p.m.	8:40 p.m. 8 a.m.	11:39 a.m. -1.0' 11:41 p.m. -0.8'	5:17 a.m. 5.1' 5:43 p.m. 4.3'
<b>Monday</b>	6:41 a.m. 7:10 p.m.	9:32 p.m. 8:59 a.m.	12:17 p.m. -0.9' -----	5:57 a.m. 5.0' 6:22 p.m. 4.2'
<b>Tuesday</b>	6:41 a.m. 7:10 p.m.	10:23 p.m. 9:56 a.m.	12:23 a.m. -0.6' 12:55 p.m. -0.7'	6:36 a.m. 4.7' 7:04 p.m. 4.1'
<b>Wednesday</b>	6:41 a.m. 7:09 p.m.	11:13 p.m. 10:52 a.m.	1:07 a.m. -0.2' 1:36 p.m. -0.3'	7:18 a.m. 4.2' 7:50 p.m. 3.8'
<b>Thursday</b>	6:41 a.m. 7:09 p.m.	----- 11:48 a.m.	1:56 a.m. 0.2' 2:20 p.m. 0.1'	8:03 a.m. 3.6' 8:43 p.m. 3.5'
<b>Friday</b>	6:41 a.m. 7:09 p.m.	12:03 a.m. 12:44 p.m.	2:56 a.m. 0.7' 3:15 p.m. 0.6'	8:57 a.m. 3.0' 9:53 p.m. 3.2'
<b>Aug. 8</b>	6:41 a.m. 7:08 p.m.	12:54 a.m. 1:39 p.m.	4:23 a.m. 1.0' 4:33 p.m. 0.9'	10:19 a.m. 2.5' 11:30 p.m. 3.1'