VOLUME 58 NUMBER 48

DECEMBER 2, 2017

THE KWAJALEIN HOURGLASS

MALLORY MASCIARELLI, MEGHAN CONNER, ALEX COLEMAN AND KYLE MILLER GET COVERED IN GOOP DURING THE 2017 KWAJALEIN JR.-SR. HIGH SCHOOL TURKEY BOWL EVENT NOV. 22.

NIKKI MAXWELL

THIS WEEK

TRACK THE JOY
WITH THIS HOLIDAY CALENDAR - P 2

KHS TURKEY BOWL
IS ALL FUN AND GAMES - P 4

VIEW FROM KWAJ
ON THANKSGIVING 2017 - P 6

U.S. Army photo by Jordan Vinson

HOURGLASS REPORT

This orbicular batfish (platax orbicularis) was photographed by Kwaj resident Jordan Vinson off Emon Beach. Spotted at a depth of only about 10 meters, this batfish was very friendly, allowing the photographer to come within only about three feet with a camera.

Orbicular batfish are not a rare sight in the waters in and around Kwajalein Atoll. Apart from the Pacific, they are also found in the Red Sea and the Indian Ocean; there have also been reported sightings in the west-central Atlantic near Florida.

The hallmark trait of the orbicular batfish, much like other batfish and spadefish, is the species' particularly long fan-shaped fins, coupled with a comparatively thin width.

According to writers at www.fishbase.org, they feed on small fish, algae and invertebrates.

The health of the species, in terms of population size, has not yet been evaluated by the International Union for the Conservation of Nature.

HAPPY HOLIDAYS FOR KWAJ KIDS

COMMUNITY CONNECTION / GRACE HINTON

The Kwajalein Hourglass is pleased to feature guest correspondent Grace Hinton as she reports on upcoming holiday celebrations around the island.

It's the holiday season and Kwajalein has some very special Christmas traditions.

My favorite tradition for Christmas is decorating my Christmas tree but on Kwajalein we paint pallet trees. You can get your pallet tree on the corner of 7th and Lagoon Road. I decorated a pallet tree last year with my mother.

There is also the Tree Lighting, held downtown on Kwajalein Saturday, Dec. 2. The Tree Lighting is after Santa comes from the airport and everyone has a parade to downtown. Santa rides in a trailer and elves throw out candy and toys for the children. There's singing and music downtown then someone lights up a palm tree with Christmas lights.

The kids may want photos with Santa at the Grace Sherwood Library on Sunday, December 3rd. But don't worry if you miss Santa at the library. He usually scuba dives at Emon Beach later in December.

During December I like to go downtown to look at the pallet trees and the jumbo Christmas tree, too. It's humongous! Lots of people decorate their quarters with Christmas lights and decorations. I hope you have a very merry Christmas!

RESIDENTS ARE ENCOURAGED TO MAINTAIN UP-TO-DATE EMERGENCY PREPAREDNESS INSTRUCTIONS

It's important to have the latest, most accurate information relating to disaster plans, evacuation plans, locations of storm shelters—both on Kwajalein and Roi-Namur. It's easy to ensure you and your friends and family know what to do in event of an emergency.

1) Visit the USAG-KA-Web intranet site.
2) In the Web Links list at left, click on "Phonebook." 3) Peruse all the information you need in the "Community Safety Information" section.

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 U.S. Government, Department of Defense, Department of the Army or USAG-KA. It is published Saturdays in accordance with Army Regulation 360-1 and using a network printer by Kwajalein Range Services editorial staff.

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DECEMBER HOLIDAY GUIDE
Kwaj and Roi-Namur

There is no place like Kwajalein for the holidays. Santa is a scuba diver; Christmas trees glow underwater; and the weekends are packed with holiday potlucks and good times with your friends. So jab inebata! Enjoy these magical times and live in the holiday moment. The Kwajalein Hourglass invites you to check out this month's holiday calendar of fun community events and entertainment on Kwajalein and Roi. Slap this game plan on the fridge, wrap those gifts, grab your friends and come celebrate with us!

Note: These event details are current as of Dec. 1, 2017. For questions regarding a Kwaj Community Activities event, please call 53331. For Roi Community Activities event questions, call 56580.

KWAJ—Dec. 2. Annual Santa Parade, following by the Kwajalein Tree Lighting Ceremony, with live music by the "Hot Tamales." Join us for an enjoyable evening downtown for a night of events. Food and treats will be available for sale.
5:45 p.m. Santa arrives at the terminal
5:45 p.m. Santa parade to downtown
6:00 p.m. Tree Lighting Ceremony
7:00 p.m. Light the Tree!
7:15 p.m. Downtown festivities
7:15 p.m. "Hot Tamales" live, sponsored by Quality of Life!

KWAJ—Dec. 3-10. Pallet Holiday Tree Judging. Take a tour of the island and vote for your favorite online. Voting opens Dec. 3!

KWAJ—Dec. 3, 11:30 a.m.-1:30 p.m. Selfies With Santa at the Grace Sherwood Library. Enjoy a visit with Santa, holiday crafts and more! Parents, please bring your cameras.

ROI—Dec. 6, 7 p.m. Decorate the Bar Night at the Outrigger. Come out to deck the halls and have fun with your neighbors.

ROI—Dec. 10, 8 p.m. Island Christmas Party at the Outrigger. All are invited to party and join us for our yearly holiday group photograph. Enjoy silly reindeer games and more.

KWAJ—Dec. 13, 6–8 p.m. Hobby Shop Holiday Open House. Please join us for an evening of fun, food and holiday cheer. Come see how we can help you bring out your creative side! Everyone on the island is welcome! Questions? Call 51700.

ROI—Dec. 16. Deadline for Roi residents to get their pallet Christmas trees up for judging.

ROI—Dec. 16, 4:30 p.m. Christmas Scavenger Hunt. We will start at 4:30 p.m. at the Outrigger. Get your cameras out and ready to hunt down Christmas items around the island! More details to come.

KWAJ—Dec. 16, 5:30 p.m. Jingle Bell Fun Run begins at the Emon Beach Main Pavilion. Bring your bells (limited bells and "jingles" also provided) and get jingled up before heading out for an easy two-mile run through housing.

KWAJ—Dec. 17, 6:30 p.m. Scuba Santa and his elves arrive at Emon Beach!

KWAJ—Dec. 17, 7 p.m. Kwajalein Yacht Club Parade of Lights at Emon Beach. The parade will begin at the Small Boat Marina and make its way through the Ski Boat Area to Emon Beach. Sponsored by the KYC.

ROI—Dec. 20, 6:30 p.m. Holiday door decoration judging. We all meet at AAFES and head out in a group to judge the doors. All are welcome to join the fun and determine who wins this people's choice award.

ROI—Dec. 23, 6:30 p.m. on Roi at C-Building. Pallet Christmas Tree Judging. Come pick the Christmas trees that will win this year's top prizes! All are welcome to cast their votes.

ROI—Dec. 24. The 10th Annual Gabby Shack Yankee Swap Party. See you at the Gabby Shack for this on. Bring a gift if you want to play in the Yankee swap. More details to come.

KWAJ—Dec. 25. Christmas Feast at the Zamperini Dining Facility and Café Roi. Enjoy a tasty, festive meal during the dinner hour on Christmas Day.

ROI—Dec. 31, 8 p.m. Roi's island formal and masquerade at the Outrigger! This means girls get to dress up, and boys wear button down shirts! Smells Like Fish will be performing for us that night! Happy New Years.

KWAJ—Dec. 31, 8 p.m. The Ocean View Club's "Guys In Ties & Girls In Pearls" event. Celebrate the New Year with us! Complimentary drink tickets will be available at this event for folks with December birthdays.

KWAJ—Dec. 31, 8 p.m. Celebrate the New Year with us at the Country Club!

KWAJ—New Year's Eve Shuttle Service. Shuttle bus available at Surfway, Ocean View Club, Country Club and Vets Hall 7 p.m.-1 a.m.

SCHOOL SPIRIT SOARS AT 2017 TURKEY BOWL

FEATURE / ALLISON HOMUTH

Students of Kwajalein Jr./Sr. High School welcomed members of the Kwajalein community for the 2017 Turkey Bowl Ceremony Nov. 22 at the KHS Multi-Purpose Room.

The event, an annual highlight for the school, included a variety of performances ranging from masked teachers and parents dancing to Ayo and Teo's "Rolex" to a solo performance of Rick Astley's "Never Gonna Give You Up." Before all of the exciting entertainment took place, juniors Graeson Cossey, Pania Alfred, and Jaylynn Debaets presented a renowned Turkey Bowl tradition: Senior Salutes. The girls prepared short, personal poems describing the individuals of the Class of 2018 while calling them up to the stage.

KHS classes presented their cheers next. The cheers included a wide variety of themes. For example, the sophomore class of 2020 came up with an ode to the senior class, borrowing Elvis's hit tune of "Sweet Caroline." After all cheers were presented, the judges, U.S. Army Garrison-Kwajalein Atoll Commander Col. James DeOre, Debbie DeOre, Julia Sektnan, Michael Hillman, Leimamo Wase and Brian Coombe determined a final decision on the winners: The seniors won poster, and the juniors won cheer.

Auguston Lelet and Allison Homuth kicked off the performance part of the assembly by dancing to High School Musical's "Can I Have This Dance." With their sweet slow dancing, Lelet and Homuth were announced Mr. and Ms. Kwaj High.

From their show in the spring, Show Choir presented song and dance number "Step in Time." Several remarkable solo and group singing acts featuring Emma Robinson, Kathleen O'Rourke, Morgan Dethlefsen, Auguston Lelet, Dash Alfred and Hilai Reimers took place. But Minnie Snoddy and Kathryn Montgomery's performance of "Anything You Can Do" was a crowd favorite. The duo's vocal range and witty theatrics had the audience on its feet.

Following up from last year, Mallory Masciarelli, Meghan Connor, Alex Coleman and Kyle Miller played a personalized jeopardy game, in which the losing team had mystery liquids and food poured on their heads. Jennifer Newberry and Doug Hepler also continued their streak of impersonating current principals in their annual "Consumer Reports."

The event, like every Turkey Bowl, was a great way for KHS teachers and students to come together and have some fun outside of the classroom, said KHS Principal Tarah Yurovchak.

"It was a really fun experience for everyone who participated and watched," she said. "It's also always great to see the teachers getting involved in performing with the students."

Allison Homuth

1) Teachers and parents perform at Turkey Bowl. 2) Jannlyn Reimers dances the hula. 3) Show Choir members strut their stuff. 4) Minnie Snoddy rocks the house as she leads the Class of 2021 in a cheer battle Nov. 22.

KWAJ JR.-SR. HIGH SCHOOL FIRST QUARTER HONOR ROLL

HOURGLASS REPORT

HIGH HONOR ROLL
3.6667+

HONOR ROLL
3.5000 – 3.6666

MERIT ROLL
3.0000 – 3.4900

SEVENTH GRADE

Maliana McCollum

SEVENTH GRADE

Cherish Corder
Matai McCollum
Madison Walker

SEVENTH GRADE

Ayana Kaneko
Riley Lescalleet
Mary Naut
Myles Sylvester

EIGHTH GRADE

Parker Arrington *
Caitlin Charlton *
Morgan Dethlefsen *
Jenna Gray *
Michael Lojkar
Sophia Nienow *
Kimberly O'Rourke *
Eden Pope *
Penny Reed
Sarah Sok *
Crimson Stambaugh *

EIGHTH GRADE

Luc Burnley
John David
D'Alessandro
Nathaniel Jones
Meredith Kirk
John Sta. Maria

EIGHTH GRADE

Tokmen Boutu
Quincy Breen
DJ Chong-Gum
Ryan Hess
Litokne Kabua
Annastasia Lamb
Dominic Leines
Verlene Lorok
Shannan Robert

NINTH GRADE

Maegan Aljure *
Iolani Anjolok
Faryn Bailey *
Alyssa England *
Hunter Gray
Zachariah Hill
Ashley Homuth *
Yuto Kaneko
Amanda Lescalleet
Kathryn Montgomery *
Kathleen O'Rourke
Julia Sholar *
Minnie Snoddy

NINTH GRADE

Ayele Corder
Hannah Finley
Hilai Reimers
Britten Ropella

TENTH GRADE

Isaiah Arrington
Mackenzie Gowans
Hayden Reed
Madilyn Shirley
Madeline Teigen

TENTH GRADE

Marina Lojkar
Ian McElhoe
Aaron Seelye

TENTH GRADE

Reynold deBrum
Kayla Hepler
Makena Moseley
Jacilynn Nam
Quinton Pope
James Rowe

11TH GRADE

Graeson Cossey
Garrett Day
Meghan Day
Christian Kirk
Travis Ropella
Marika Samuel

11TH GRADE

Pania Alfred
Kayarii Johnson
Angeline Kelley
Kamryn Legere
Nathaniel Sakaio
Kaya Sylvester

12TH GRADE

Aidan Alejandro
Brian Arrington Jr.
Abigail Bishop
Celie Burnley
Ramsey Gomez
Allison Homuth
Cameron Jones
Truman Kohler
Reika Samuel
Megan Sok
Reilly Teigen

12TH GRADE

Dash Alfred
Auguston Lelet
Christina Nienow
Janalynn Reimers

Stars indicate students with straight A's earned.

HOLIDAY TRAVEL TIPS

HOURGLASS REPORT

The holiday season is in full swing, and many island residents are gearing up to fly northeast for winter. Here are a few travel tips compiled from community members to help ensure your health and safety.

Before Departure

- Ensure that your passport is current and will not expire during your travel period.
- Prior to leaving island, make sure to put your mail on hold and pay your phone bill.
- Take screen snap shots of reservation confirmations and itineraries so they will be available even if your device isn't online.
- Ensure you have the necessary travel documents. This includes your passport, identification cards and travel. Consider registering with the State Department if you are traveling to a foreign country.

While In Transit

- Flights change—be ready. Check the status of your flight before heading to the airport.
- Take extra precautions against spills and pack your carry on liquids in a large plastic zip bag.
- Make sure to stay hydrated and avoid salty foods.
- Periodically move about and stretch your legs to improve circulation.
- Stay sanitary. Wash your hands often and keep sanitizer and tissues on hand.

When traveling with kids:

- Bring the items your child needs to be comfortable and possibly sleep during the flight.
- Bring something to help the child clear her ears on the airplane. This could be a bottle, pacifier or lollipop.
- Sometimes loud or unfamiliar noises can frighten children. If your child prefers quiet, consider purchasing a pair of soundproof earmuffs for her to wear on the plane. Note: always ensure that the hearing protection you have on hand does not create a choke or health hazard for your child. Most disposable foam earplugs are not suitable.
- Have your child dress in layers so that she will not be too warm or too cold during the flight.
- Have a stash of lightweight toys and diversions that are not opened until you are on the plane. Pull them out one at a time as rewards for good behavior. These could be surprise stickers, small cars, plastic dinosaurs, small stuffed animals). One island mother suggests handing your little one wet wipes when first seated to "clean" the area—this might be good advice for everyone.
- Pack a variety of snacks—especially those low on sugar and salt. Individual serving sizes or portions in snack sized zip locks will help reduce the potential for messes and reduce carry-on clutter.
- Load a device with shows, apps and music for your child to use on the plane with child sized headphones.
- Make An Adventure Journal. Bring a simple spiral binder, crayons and markers for your child to save keepsakes and record observations about their journey. This is a great invitation for your child to be an active participant on an exciting trip.

1

2

U.S. Army photo by Nikki Maxwell

3

4

5

6

Photos by Jessica Dambruch

1) The dinner scene is festive and bright at Bess Buchanan and Stan Jazwinski's community Thanksgiving potluck Nov. 24. 2) U.S. Army Garrison-Kwajalein Atoll Commander Col. James DeOre teams up with KRS Dining staff to serve hungry Kwaj residents at the Zamperini Dining Facility on Kwajalein Nov. 25. 3) Students from the Kwajalein Jr.-Sr. High School Class of 2018 take a group photo with Col. DeOre and his wife Debbie Nov. 22 during the Turkey Bowl. 4) Carol Hess enjoys the potluck dinner with friends. 5) Pure Aloha adds the sound of Kwaj to the Buchanan-Jazwinski Thanksgiving celebration. 6) Jordan Vinson displays the most epic dinner ever. 7) USAG-KA Command Sgt. Maj. Todd Shirley smiles from the serving line at the ZDF on Thanksgiving Day. 8) The Davis Families—Steven, Joanna and Tim and Stephanie Davis—enjoy Thanksgiving together. 9) Delbert Dezotell enjoys Thanksgiving at the Kwaj Fire Department table Nov. 25. 10) A beautiful display of woven palm frond baskets add a tropical touch to Thanksgiving Day. 11) Command Sgt. Maj. Shirley pauses for a photo with members of U.S. Navy Mobile Construction Battalion-1. 12) KRS Dining Services Staff replenish the new dessert case with freshly sliced pumpkin pie. 13) Renee McClung and Cindy Dean take five before the dessert. 14) Kwajalein's own Bill Williamson enjoys salted caramel ice cream with friends on Turkey Day.

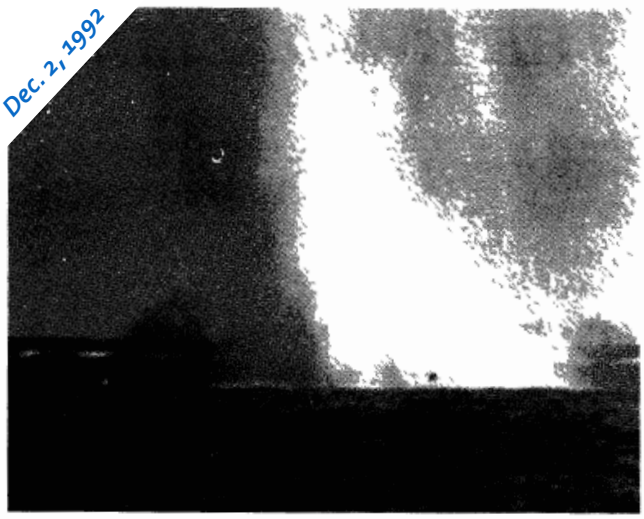
THIS WEEK IN KWAJALEIN HOURGLASS HISTORY

Dec. 2, 1992

The banyan tree in holiday dress - A banyan tree in front th th YYC served as the community Christmas tree until it was replaced by the present ir nwood tree in 1978 (U S Army file photo)

Twenty-fifth annual tree lighting scheduled

Dec. 2, 1992



An underwater detonation off Roi-Namur produces a water plume over 100 feet high (Photo by Don Benz)

Navy EOD team destroys warhead

Contributed by Jon Dambruch, DynCorp EOD Specialist

When residents on Roi-Namur came to work on October 27, they found warning notices posted on entrance ways to offices, the dining room, gym, and Gimbels The warning issued by the USAKA Safety Office stated that EOD operations would be conducted on October 27, 1992

Origin of the warhead is still somewhat of a mystery Over the years many speculated that the item was a torpedo warhead because there was a torpedo warhead storage facility on Roi-Namur that was destroyed during the war

U S Navy and USAKA EOD specialists researched technical manuals designed to positively identify known military ordnance They collected information from the warhead including its general shape diameter, presence or lack of distinguishing features like bomb rack lugs fins, fuses or rotating bands

An exhaustive review concluded that this item was not a bomb rocket, missile, or mine It was too big for a projectile and too small to be a torpedo warhead The only item which matched known identification features to the item on Roi was the Japanese 32 centimeter Spigot-type mortar warhead Motars of this type were used during World War II to destroy landing craft before they could land on the beach

Navy and USAKA EOD specialists worked together and successfully detonated the warhead at 5 p m on October 27 during high tide A counter charge was prepared and connected with an explosive communication link called detonating cord which explodes at 25,000 feet per second The charge was initiated using a time fuse AM-PRO security ensured all unauthorized personnel remained outside the declared exclusion area while the EOD members stayed under cover after initiating the demolition shot

Outside the exclusion area those who viewed the underwater detonation were awed at the ground shock wave and the water plume over 100 feet high The blast carved out a crater 12 feet in diameter and six feet deep into the sand and coral bottom

Dec. 8, 1979

AIKIDO CLASSES - A non-violent Japanese martial art brings the mind and body together to develop self defense skills through physical techniques and mental awareness. Interested persons are invited to visit and ask questions at Bldg. 1051 from 9 AM to 10 PM Saturday and Sunday. 236/3t

Dec. 3, 1979

Yokwe Yuk Club Presents

BOB STOVER
will be playing the piano
for your dining/dancing pleasure
* * *
Thursday, Dec. 6
7 to 9 30 p m
Yokwe Yuk Club Main Dining Room

Dec. 5, 1977

Parents,
No place to hide your children's Christmas presents? We will hold all toy purchases 'til December 24 in MACY'S EAST

Are You Ready, Roi-Namur? Here They Come!

Dec. 1, 1977

Appearing at the Jackaroo Club on Roi-Namur tomorrow evening at 8 pm will be this bevy of beautiful belly dancers, complete with Maharaja and slaves. Standing are Slaves Bruce Field, left, and Stan Malishewski. Lounging, left to right: Sheba (Darlene Dihel), Serena (Pam Frost), Shalimar (Bobbi Barclay), Maharaja Bill Turvey, Slave Girl Debbie Witzenburg, and Jezebel (Yvonne Jackson).

If you enjoy sensuous Mid-Eastern melodies and the musical tinkle of gold coins, don't miss this cultural event on Roi-Namur. If a mission is underway, performance will be postponed to a date to be announced. Photo by Larry Allen, Kentron Photo Lab

THE SIGNAL CORPS AND METEOROLOGICAL HISTORY

EXTERNAL REPORT

By Sharon Watkins Lang
SMDC Historian

In another year in which the weather has dominated the news around the world, it is fitting to pause and recognize the early advances in meteorological exploration.

One such initiative was the TIROS or Television Infrared Observation Satellite Program, the first weather satellite that dates back to 1960. The first of 10 TIROS launches occurred in April, followed soon thereafter by the launch of TIROS II on Nov. 23 from Cape Canaveral, Florida.

These first TIROS launches were a joint venture that included NASA, the Radio Corporation of America, the U.S. Weather Bureau, now known as the National Oceanic and Atmospheric Administration, the U.S. Naval Photographic Interpretation Center and the U.S. Army Signal Research and Development Lab. The Army Ordnance Corps, had previously assigned the Signal Corps "that portion of this problem that involves meteorological instrumentation, including television systems for meteorological purposes…. "

With each launch, the TIROS program continued to evolve. TIROS I, which was operational for only 78 days, sought to test television techniques to develop a "worldwide meteorological satellite information system." To achieve this goal, the 270-pound space craft constructed of an aluminum alloy and stainless steel and powered by more than 9,000 solar cells, contained two 35-mm cameras—one low-resolution and the other a high-resolution.

The wide-angle lens camera was able to photograph 800-square miles while the other camera focused upon 30-square miles. The two cameras were connected to magnetic video tape recorders equipped with timing mechanisms that stored the images until the satellite was within range of one of the two ground stations, located at the Army Signal Corps Labs at Fort Monmouth, New Jersey, and an Air Force facility at Kaena Point, Hawaii.

Over the course of the 78 days, orbiting the earth once every 98 minutes, the TIROS I cameras captured nearly 23,000 images and clearly showed the cloud cover views of the Earth and demonstrated that satellites were a beneficial tool in "surveying global weather conditions."

With a similar construction design, the TIROS II added new equipment to improve upon the quality of the data collected. In addition to the two cameras and recorders, TIROS II adopted noise suppressor circuits and a miniaturized radio frequency diplexer. Other innovations included an infrared horizon sensor for attitude control, a direction indicator for picture orientation, a magnetic orientation control experiment, and two infrared radiation experiments.

The TIROS II flight suffered some setbacks with the television camera system. Debris on the lens of the wide-angle camera affected the quality of many of these images. The narrow angle camera remained fully functioning until Feb. 1, 1961, but after that produced only sporadic images until Sept. 27, 1961. Nevertheless the experiment collected more than 25,000 usable pictures, which are housed in the National Climatic Center, in Ashville, North Carolina.

The two radiation experiments included a five-channel scanning radiometer and a low-resolution, non-scanning, two-channel radiometer. The widefield radiometer meanwhile consisted of two detectors -- a black and a white thermistor bolometers.

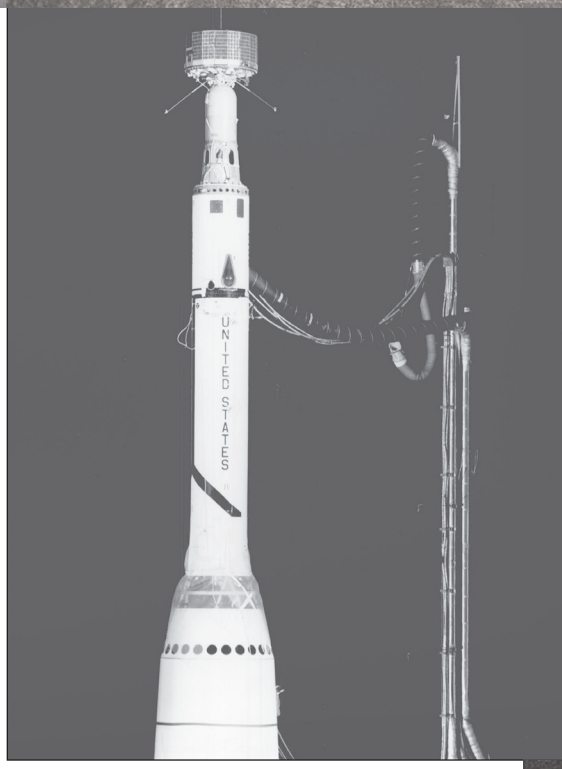
The black detector "responded equally to reflected solar radiation and long-wave terrestrial radiation." The white detector meanwhile reflected solar and visible radiation but measured only long-wave thermal radiation." Unfortunately, the sensors were not as sensitive as anticipated, so the data from this experiment has been described as "too ambiguous for reduction or analysis.'

The scanning radiometer, meanwhile, scanned the Earth and space, measuring the emitted and reflected radiation of the Earth and its atmosphere. Each channel focused upon a specific facet to be studied -- water vapor absorption, atmospheric window, reflected solar radiation, terrestrial radiation and reflected solar radiation.

Scientists collected five months of data before the motor for the radiometer failed in April 1961. Analysis of the data found that "radiation data may be useful not only for determining the location, motion and development of frontal systems but also for obtaining information on the structure of frontal zones."

Each launch of the TIROS series, which began with the Army and NASA, improved weather forecasting capabilities. TIROS-3 for example, made an extensive study of the 1961 hurricane season and is credited with discovering Hurricane Esther.

TIROS-4 allowed the U.S. Weather Bureau to share cloud images with other nations. TIROS-6 expanded the study to the detection of snow cover. TIROS-9 is credited with creating a complete view of the world's weather. And finally TIROS-10 produced more than 400 images a day covering 640,000 square miles each, with a 2-mile resolution at the center.



Television Infrared Observation Satellite, or TIROS, II.
U.S. Army photo

For more information on rocket history and research, check out these online resources!

SMDC/ARSTRAT
https://www.army.mil/info/organization/unitsandcommands/commandstructure/smdc

Wallops Flight Facility
https://www.nasa.gov/centers/wallops/home

U.S. Naval REsearch Laboratory
https://www.nrl.navy.mil/accomplishments/rockets/

WEEKLY WEATHER OUTLOOK

RTS WEATHER STATION STAFF

WEATHER DISCUSSION: A wave in the trade winds will pass over Kwajalein Saturday night and Sunday morning bringing some shower activity. Then a broad area of drier ENE trades will establish itself and push the Intercontinental Convergence Zone (ITCZ) southward to around 5 degrees N. Thus not much shower activity is expected from Monday into mid-next week. There will be moderate trade winds from 13-18 knots. Towards the end of next week, a surge in the trades will build up and bring winds near 20 knots by Friday with shower activity on the front end of this surge. Small craft advisories may be needed late next week.

SATURDAY/SUNDAY/MONDAY FORECAST: Scattered showers Saturday night into Sunday morning. Widely scattered showers Sunday and isolated showers Monday. Winds ENE 15-20 knots on Saturday and E-ESE at 12-17 knots Sunday and Monday.

MID-WEEK FORECAST: Isolated showers Tuesday through Thursday. An increase in showers by Friday. Winds will be ENE 13-18 knots for most of the week but increase to 20 knots by Friday.

SEE SOMETHING – SAY SOMETHING

REPORTING SUSPICIOUS ACTIVITY
-Date and time activity occurred
-Where and what type of activity occurred
-Physical description of the people involved
-Description of modes of transportation
-Describe what you saw or heard
-Provide pictures if you took any

WHO TO REPORT TO
Local law Enforcement and Security
*911
*5-4445/4443
*usarmy.bucholz.311-sg-cmd.mbx.usag-pmo@mail

SHARP

SEXUAL HARASSMENT/ASSAULT RESPONSE & PREVENTION

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

CW3 Dave Casbarra
SHARP Victim Advocate

Work: 805 355 3421 • Home: 805 355 1731
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

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

www.facebook.com/usarmykwajaleinatoll

For command information questions, please contact Public Affairs at 54848.

SUN-MOON-TIDES

	SUNRISE SUNSET	MOONRISE MOONSET	HIGH TIDE	LOW TIDE
SUNDAY	6:49 a.m. 6:28 p.m.	6:08 p.m. 5:58 a.m.	3:38 a.m. 4.1' 3:58 p.m. 5.1'	9:38 a.m. -0.8' 10:20 p.m. -1.0'
MONDAY	6:50 a.m. 6:29 p.m.	7:08 p.m. 7:00 a.m.	4:20 a.m. 4.1' 4:38 p.m. 5.3'	10:18 a.m. -0.9' 11:03 p.m. -1.1'
TUESDAY	6:50 a.m. 6:29 p.m.	8:11 p.m. 8:04 a.m.	5:03 a.m. 4.1' 5:19 p.m. 5.2'	10:58 a.m. -0.8' 11:46 p.m. -1.0'
WEDNESDAY	6:51 a.m. 6:29 p.m.	9:14 p.m. 9:07 a.m.	5:45 a.m. 3.8' 6:01 p.m. 5.0'	11:38 a.m. -0.6' ----------
THURSDAY	6:51 a.m. 6:30 p.m.	10:15 p.m. 10:08 a.m.	6:30 a.m. 3.5' 6:45 p.m. 4.6'	12:31 a.m. -0.7' 12:21 p.m. -0.2'
FRIDAY	6:52 a.m. 6:30 p.m.	11:14 p.m. 11:04 a.m.	7:19 a.m. 3.2' 7:33 p.m. 4.1'	1:18 a.m. -0.3' 1:07 p.m. 0.2'
DECEMBER 9	6:52 a.m. 6:30 p.m.	---------- 11:56 a.m.	8:16 a.m. 2.9' 8:29 p.m. 3.6'	2:12 a.m. 0.1' 2:01 p.m. 0.7'

Captain Louis S. Zamperini Dining Facility

*MENU CURRENT AS OF NOV. 30

LUNCH

Sunday	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Dec. 9*
Meat Lasagna	Cajun Pasta Saute	Mediterranean Cod	Chicken Pot Pie	Beef Stroganoff	Jambalaya	Swedish Meatballs
Chicken Fingers	Salisbury Steak	Chicken Cordon Bleu	Cuban Roasted Pork	Cajun Catfish	Roast Beef and Gravy	Pork Chops
Garlic Bread	Balsamic Sprouts	Italian Veggies	Chili Lime Black Beans	Stewed Okra	Red Beans and Rice	Squash Casserole

DINNER

Sunday	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Dec. 9*
Pulled Pork on a Bun	Chicken Piccata	Asian Pepper Steak	Steak Night	German Style Spareribs	Fried Fish Wedge	Flank Steak
Beef Yakisoba	Chili Mac	Baked Ziti	Jerk Chicken	Honey Glazed Cornish Hen	Italian Sausage	Veggie Lasagna
Scandinavian Veggies	Rosemary Potatoes	Scandinavian Veggies	Baked Potato Bar	Honey Glazed Yams	Baked Beans	Smashed Potatoes

COMMUNITY CLASSIFIEDS

Interested in a position with DynCorp International LLC (DI)? Please apply at

https://jobforms.extranet.dyn-intl.com/ka

Contact Michael Thomas locally with any Questions. After normal work hours 5-2486 or michael.thomas@dyn-intl.com

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. Listings for off-island contract positions are available at www.krsjv.com.

FOR SALE

PCS Patio Sale. Saturday, Dec. 9, 8:30 a.m.-12:30 p.m. at Qrtrs. 209-A. Rain or shine.

PCS Yard Sale. Saturday, Dec. 9 from noon to 5 p.m. at Qrtrs. 416-A Pictures, T-shirts, and misc for sale. Call John at 59444 with any questions.

COMMUNITY NOTICES

Holiday MIC Shop Hours. In addition to regularly scheduled shopping hours, the Micronesian Handicraft Shop will be open Dec. 1, Dec. 8, Dec. 15 and Dec. 22 from 5-7 p.m. Pick up beautiful, one-of-a-kind handmade gifts for your family and friends. Proceeds benefit the educational needs of schools and students throughout the Marshall Islands and Micronesia.

Christian Women's Fellowship Holiday Luncheon. Sunday, Dec. 3, 12:30-2 p.m. at the REB. Please join CWF for a special holiday event! Enjoy lunch, decorate holiday cookies and bring one small wrapped gift for a white elephant gift exchange. Contact Charissa with questions at 51889.

The Vets Hall will be closed Saturday, Dec. 2 in support of the Tree Lighting. Be sure to join us Sunday, Dec. 3 to enjoy the fabulous sounds of The Hot Tamales. Doors open at 7 p.m., show starts at 8 p.m. Questions, call Jan Abrams at 54440.

Visit with Santa. Sunday, Dec. 3 11:30 a.m.-1:30 p.m. at Grace Sherwood Library. Enjoy a visit with Santa, holiday crafts and more! Parents, please bring your own camera. For questions, contact Community Activities at 53331.

Parent Advisory Board Meeting for all CYS programs. Wednesday, Dec. 6, 5-5:30 p.m. at the Elementary School Coconut Room.

December Free Open Rec Holiday Extravaganza in George Seitz Elementary Gym. Grades K-2: Friday, Dec 8, 3:30-5:30 p.m. Grades 3-6: Friday, Dec. 15, 3:30-5:30 p.m. Come and join us for holiday fun. We will have reindeer games, elf relay-races, a snowball fight, ornament making, treats and a special holiday short film! Must be registered with CYS to participate. Call 52158 to reserve a spot.

Please join us for Quizzo at The Vet's Hall on Friday, Dec. 8 at 7:30 p.m. Neil Dye will be hosting the last Quizzo of 2017. Questions? Contact Neil Dye or Mike Woundy.

Bargain Bazaar Annual Holiday Toy Drive. Now accepting new and gently used unwrapped toys for kids aged 1-12 years through Dec. 16. Drop off boxes are located at Kwajalein Jr.-Sr. High School Office, Sunrise Bakery, Community Bank, the Bali Shop and Kwaj Dive Shop and the Zamperini Dining Facility. For more information contact Alexie McElhoe, 52630.

The Vets Hall will be closed Sunday, Dec. 10 and Sunday, Dec. 17 for private parties. Questions, call Jan Abrams 52112.

SAFETY/ENVIRONMENTAL

Alcoholics Anonymous Meetings are held on Tuesdays and Thursdays, 6:30 -7:30 p.m. at the REB Library on Kwaj.

Safely Speaking: If you see something happening and it looks like it is dangerous and may be so unsafe someone could be seriously injured or killed, then stop the work. It is better to stop for a few minutes and work through a possible hazard than to allow it to continue because you are not sure.

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.

UXO REMINDER. Remember the 3 Rs Recognize an item as possible Unexploded Ordnance (UXO) Retreat from the area of the UXO. Report suspected UXO immediately by notifying EOD at 51433 or CPS at 54445. Provide the following information: Location (building #, GPS, landmarks, etc). Size (compared to common items - football, scuba cylinder, etc). Treat UXO like you would treat dangerous sea creatures Look but do not touch. For a detailed refresher please attend the Island Orientation Briefing on the last Wednesday of every month.

Anyone in possession of ammunition or pyrotechnics, please deposit into one of the designated amnesty boxes located on Kwajalein or Roi., at Bldg. 902, the Kwaj Air Terminal, Bld. 8035, the Roi Air Terminal and at the Kwaj Small Boat Marina. If items are too large in size and quantity or if you have any safety concerns notify EOD at 51433 or 51550 to arrange for collection. Do not leave items outside of box. These boxes are not UXO collection points. For UXO, notify EOD. REMEMBER—DO NOT TOUCH!

USPS RECOMMENDED HOLIDAY MAILING DATES

To ensure timely delivery of holiday wishes by Dec. 25, the U.S. Postal Service recommends that cards and packages be sent to and from military APO/FPO/DPO addresses overseas no later than the dates listed below.

Military Mail *Addressed To & From*	*First-Class Mail* *Letters and Cards*	*Priority Mail Express Military Service*
1. APO/FPO/DPO AE ZIPs 090-092	Dec. 11	Dec. 16
2. APO/FPO/DPO AE ZIP 093	Dec. 4	N/A
3. APO/FPO/DPO AE ZIPs 094-098	Dec. 11	Dec. 16
4. APO/FPO/DPO AA ZIP 340	Dec. 11	Dec. 16
5. APO/FPO/DPO AP ZIPs 962-966	Dec. 11	Dec. 16

USPS Retail Ground	Parcel Airlift Mail	Space Available
Nov. 6	Dec. 4	Nov. 27

the hot tamales

Spicy hot acoustic-electric rock from yesterday and today

Sponsored by Quality of Life

Saturday, Dec. 2, Tree Lighting, 7:15 p.m.
Sunday, Dec. 3, Vet's Hall, 8 p.m.

Café Roi

*MENU CURRENT AS OF NOV. 30

LUNCH

Sunday	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Dec. 9*
Pork Loin	Roast Beef	Honey Mustard Chicken	Griled Cheese	Cheese Quesadilla	Fish Sandwich	Patty Melt
Baked Chicken	Bacon Chicken	Cheesy Potatoes	Roast Pork	Hamburger Steak	Apple Glazed Chicken	Roast Pork
Egg Florentine	Egg Muffins	Vegetable Quiche	Roasted Potatoes	Mashed Potatoes	Succotash	Couscous

DINNER

Sunday	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Dec. 9*
Swiss Beef Steak	Chicken Marsala	Pork Chops	Grilled Steaks	Fried Chicken	Bratwurst	Roast Chicken
Ranch Style Beans	Stuffed Peppers	Biscuits	Fish Florentine	Roasted Pork Loin	Pork Schnitzel	Beef Stew
Fiesta Rice	Pasta Puttanesca	Mashed Potatoes	Baked Potatoes	Mashed Potatoes	Braised Cabbage	Green Bean Casserole

UNITED CHECK-IN TIMES

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

ATI CHECK-IN TIMES

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

SIMPLY SAFETY

According to all SPI 1425 all electrical cords, receptacles that are not part of the permanent electrical wiring system of a building or structure must be inspected before each use and marked quarterly by a specific color code. This policy excludes all power strips only for official use.

Whether you're stringing Christmas lights around your patio or operating equipment at work, here are a few reminders about how to inspect electrical cords and power strips.

- Ensure the cords have a third prong, or grounding conductor.
- Visually inspect and run your hand over the entire cord to confirm that it is not frayed, nicked or deteriorated.
- Ensure all male and female caps are securely fastened to the cords and are not burned or cut.
- Perform a circuitry test on all your cords and power strips using a testing device.
- Note: The directions for testers may be different. Always read the instructions first).

THUMBS UP

THUMBS UP and thank you to John and Mason Finley for helping me transport packages back to my BQ when I clearly couldn't do it all by myself. Thanks so much for your kindness and thoughtfulness!

—Jane "Art Mama" Christy

THUMBS UP to Elme and Vivian at the Sunrise Bakery for always making me smile when I visit to order coffee and treats. You two are the best!

—Another Happy Customer

THUMBS UP to Public Works! You fixed the dryers in my BQ and now the chores are less of a chore. You guys rock. Thanks so much for everything you do.

— A BQ Resident

USAG-KA SPORTS VOLLEYBALL

RESULTS LAST WEEK

NOVEMBER 27

Senior Wildcats def. Ace Family	25-21/25-17
Wolf Pack def. Block Party	Forfeit
No Name def. Spartans II	25-22/25/13
A Motley Crew def. Block You Like A Hurricane	25-6/25-16

NOVEMBER 28

Ohana Koa def. Ace Family	25-16/25-17
Serve's Up def. Net Ninjas	25-14/25-14
A Motley Crew def. Spartans II	25-23/26/24
Block Party def. Block You Like A Hurricane	25-12/25-17

A LEAGUE RECORDS

	Win	Loss
Corder	6	1
Good Golly	5	1
Spartans	5	1
Dig the Beach	2	5
OG's	2	5
Future	0	7

B LEAGUE RECORDS

	Win	Loss
Block Party	4	2
No Name	4	2
Spartans II	4	1
Wolf Pak	3	4
Motley Crew	3	3
Hurricane	0	6

SCHOOL LEAGUE RECORDS

	Win	Loss
Senior	5	0
Block n'Roll	4	1
Ohana	3	2
2 Legit	3	2
Ace Family	2	3
Serve's Up	2	3
Corder	2	3
Net Ninjas	1	5
Sideout	1	4

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.