

THE KWAJALEIN HOURGLASS



THIS WEEK

THE REGAN ERA

BEST WISHES, SAFE TRAVELS 2

WHO'S ON THIRD?

KWAJ, ENNIBURR FIELD DAY 5

KWAJ CREATIVES

AT ART AND CRAFT FAIR 6

STUDENTS ENROLLED IN THE CHILD AND YOUTH SERVICES PRE-K PROGRAM VISIT WITH USAG-KA COMMANDER COL. JEREMY BARTEL, RIGHT, TO CELEBRATE THE MONTH OF THE MILITARY CHILD APRIL 14.

📷 JESSICA DAMBRUCH



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U.S. ARMY PHOTO BY MIKE SAKAIO



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U.S. ARMY PHOTOS BY JESSICA DAMBRUCH



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BY JESSICA DAMBRUCH

The island community said a fond farewell and “bar lo eok” this week to Regan Bartel, spouse of USAG-KA Commander Col. Jeremy Bartel, as she PCS’s out in time to attend their son’s stateside graduation.

Since her arrival in 2019, Regan has been an active member of the island community. She was an avid sports-woman, trying everything from golf to diving and softball and regularly attended community events.

On Kwajalein, Regan also

facilitated numerous events at Quarters 241 that fostered mutual appreciation between distinguished visitors from the Marshall Islands and members of the island community, such as the annual Yokwe Yuk Welcome Club holiday treat exchange in December 2020.

In the community, Regan was well known for her open, affable manner; sense of humor at command town hall events and willingness to listen. The Kwajalein community thanks Regan for her friendship and wishes her safe travels back home.

1) The Kwajalein Hourglass caught Regan Bartel at the bat during softball practice. 2) Regan, left, and Leiroj Anta Kabua enjoyed the annual Yokwe Yuk Welcome Club holiday cookie exchange in December 2020. 3) Regan, left, and USAG-KA Commander Col. Jeremy Bartel pose for a photo at the birthday of Iroijlaplap and Senator Michael Kabua in December 2020. 4) Regan takes a moment to relax and enjoy the view during her first Thanksgiving at

the Capt. Louis S. Zamperini Cafeteria in November 2019. 5) The Bartels say “Prost!” during the MWR Oktoberfest celebration in October 2020. 6) Regan, left, poses for a photo with RMI resident Ann Lucki during a YYWC event. 7) Regan Bartel, was an active facilitator for events by the Yokwe Yuk Welcome Club, pictured here at Emon Beach in July 2020 during a visit by U.S. Ambassador to the Republic of the Marshall Islands Roxanne Cabral.



Check out April’s awareness themes in this week’s Kwajalein Hourglass.



THE KWAJALEIN HOURGLASS

The Kwajalein Hourglass is named for the insignia of the U.S. Army’s 7th Infantry Division, which liberated the island from the forces of Imperial Japan on Feb. 4, 1944.

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

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Garrison CSM.....Sgt. Maj. Ismael Ortega
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CHILD DEVELOPMENT CENTER CELEBRATES MONTH OF THE MILITARY CHILD



1) Children enrolled in the Child Development Center visited US-AG-KA Command headquarters April 14 for a special visit with command staff in honor of the Month of the Military Child. Back row from left: USAG-KA Commander Col. Jeremy Bartel, left, USAG-KA Child and Youth Services Pre-K teachers Lisa Forster, Velma Matthew and Command Sgt. Maj. Ismael Ortega. Middle row: Mateo Caro, Henry Brown, Veremine Sakaio, Emeri Gerber. Front row: Lenore Rios, Sombinaiko Ramanatsoa, Charlotte Jackson, Cullen Lorig, Avani

Bates and Christian Small. 2) Ortega greets student visitors as they enter USAG-KA command headquarters. 3) Bartel, left, instructs volunteer Christian Small in how to pull the transmission box lever in the headquarters conference room. 4) Emeri Gerber displays her favorite challenge coin from Bartel's awards collection. 5) Bartel and the students check out a map in the security office. 6) Wearing the commander's cover, Sombinaiko Ramanatsoa poses for a photo in the garrison commander's office—a future leader in the making.



U.S. ARMY PHOTOS BY JESSICA DAMBRUCH



U.S. ARMY PHOTOS BY JESSICA DAMBRUCH

VICTORY, FAIR AND SQUARE: HEINS WON YYWC QUILT

BY JESSICA DAMBRUCH

Want to know what happened to that quilt?

It wasn't just any quilt; it was a one-of-a-kind Hawaiian quilt, hand-stitched by island resident Lori Krueger to honor the memory of a friend in her fight against pancreatic cancer. Fierce, silent bidding for the blue and cream Monstera-patterned treasure began with a reserve of \$500.

Proceeds from the auction and other fundraising activities would be utilized by the Yokwe Yuk Welcome Club in their mission to support education in the Republic of the Marshall Islands and Federated States of Micronesia. Though many schools and students would benefit from the funds, only one member of the Kwaj community would call the quilt their own.

Rest assured, Kwaj: That winner relishes his victory.

Today, the quilt is installed in a place of honor in the Lagoon Road quarters of its new owner: none other than Kwajalein's own Chris Heins.

In March, Heins poured himself a beverage, smiled for the camera and beamed a broad smile at the quilt.

Why did Heins, a collector and aficionado of luxurious furnishings, decide to purchase the quilt?

"I appreciate nice things," he said.

A consummate Southern gentleman,

Heins hails from North Carolina and enjoys American history, travel and winning a challenge. Fueled by the spirit of competition, Heins paid \$3,000 to win the quilt.

Few can deny the grandeur of Heins' quarters is obscured by his great generosity toward the YYWC and RMI, but if you make the list for his next, grand social affair, you can catch a glimpse of the quilt in its exquisite new environs. Heins' home is populated with furniture collected from America and Europe.

An expansive rosewood china cabinet frames his dining room. Upstairs, an Italian figurative painting fills a wall with chiaroscuro mystery. The ground floor also displays another of his most recent acquisitions: a beautiful, monkey pod coffee table he rescued from a patio sale.

The quilt was installed above a daybed by YYWC President Debbie Proudfoot and her husband, Michael. There, Heins and his many guests can appreciate the beauty of the creation together. In the light of the afternoon, the radiant cream and blue colors glow warm.

Kwajalein resident Chris Heins placed the winning bid in a silent auction for a hand-made Hawaiian quilt in late 2020. Money from the sale funds Yokwe Yuk Welcome Club education grants.

YYWC President Debbie Proudfoot thanks Heins for the sale and hopes others will be encouraged to support the YYWC in its upcoming events. These days, the word around Kwaj is that the YYWC is preparing to auction another beautiful quilt.

The question is—will Heins make a grab for this latest treasure?



Kwajalein resident and quilter Lori Krueger is the creator of a large Hawaiian quilt she completed to honor the memory of a friend. The Yokwe Yuk Welcome Club auctioned the quilt to support education outreach.



FIELD DAY ON ENNIBURR

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HOURLASS REPORT

Young residents of Enniburr—also called Third Island—enjoyed a special field day event May 20. The activity was coordinated by personnel from the U.S. Army Corps of Engineers Kwajalein area office, family members and friends.

Participants enjoyed a day of field games, including relay races, ultimate Frisbee, a hula-hoop contest and games of soccer and volleyball.

Enniburr is located a short distance from Roi-Namur. Many residents of the small community are employed on Roi-Namur and live without regular access to power and water.

The U.S. government has provided numerous sustainable facilities to assist the community over the years, including rainwater catchment systems, a medical treatment facility, school and community center.



PHOTOS BY JESSE RICHARDSON

4

1) U.S. Army Corps of Engineers employee Jesse Richardson competes in a hula-hoop contest with young Enniburr residents during a recent field day event coordinated by Kwajalein residents. 2) Framed by turquoise water near Enniburr beach, field day organizers and friends pose for a photo. From left: Jesse Richardson, Regan Bartel, Blair Jones, Keri Jones

and Sydney Jones. 3) It's all fun and games on Enniburr. Pictured here, Kwajalein Sydney Jones leads young Enniburr residents in a cheer. 4) Hula-hoops offer endless fun: Enniburr students link hands and attempt to pass the hoop in one complete revolution around their human circle.

Headed off island this summer?

Be prepared.

The Kwajalein Hospital would like to remind you to that it will not be possible to fill prescriptions while you reside in quarantine. Please bring enough re-fills to last through your two weeks of quarantine in Honolulu and on U.S. Army Garrison-Kwajalein Atoll. A 90-day supplement is recommended. Also, while off island, it is recommended that island

residents seek any routine or specialized medical and dental treatment they may need—including mammograms, root canals and surgical extractions for wisdom teeth—if it is possible to schedule such appointments in advance with a primary healthcare provider. For more information, please contact the Kwajalein Hospital at 5-2224.



CREATIVE FLAIR AT SPRING ART AND CRAFT FAIR



U.S. ARMY PHOTOS BY JESSICA DAMBRUCH



1) The Kwajalein Boy Scouts of America worked on a finance merit badge while selling handmade woodcraft art pieces and paracord carabiners at the Spring Art and Craft Fair. From left: Andrew Strong, Nathan Melody, Anthony Strong, Alex Strong, Ori Forsmann, Noah DiBiase and Michael Africano. 2) Students representing the George Seitz Elementary School Student Council display shopper bags personalized with original student designs. 3) Kwajalein

knifsmith Doug Hepler holds up two of his latest creations. 4) An elegant, ceramic mer-donna by Jane Christy keeps an eye on shoppers. 5) Liz Haggerty's ingenious metal floral creations are upcycled from aluminum and items found around Kwajalein. 6) Ka-POW! Jee Taylor, left, and Alberto Pandya pose for the camera in a superhero fundraiser photobooth. 7) Morgan Dethlefsen, left, and Hannah Finley, check out items donated by Kwajalein artisans for the craft fair raffle.





1) The first Saturday of each month is MWR karaoke night at the Ocean View Club. Pictured here, Laura Sampayan, left, and Jane Christy rock out at the microphone as they perform a duet. 2) Two priests and a chaplain walk into a photo: Kwajalein says, "bar lo eok" and best wishes to Fr. Jim Ludwikowski, center, Catholic chaplain at the Kwajalein Memorial Chapel, who PCS'd

this week. Ludwikowski is joined in this photo at by incoming chaplain Fr. John Kakkuzhiyil, left, and Protestant Chaplain Brian Conner. 3) Friends of Regan Bartel gathered at the Kwajalein air terminal last weekend for an impromptu sendoff. 4) Nova Miller, left, Natalie Mitchell, center, and Emily Mitchell hug Maggie Ewbank, right, before the April 12 United Flight.





During #LABWEEK, the Kwajalein Hospital gets a little cooler.



Clinical Laboratory Scientist Gail Price readies supplies for delivery to the Roi Dispensary in March 2021. Price is one member of the dedicated lab techs you will meet at the Kwajalein Hospital.

This year, medical facilities and communities around the world observe Medical Laboratory Professionals Week from April 18 - 24.



U.S. ARMY PHOTO BY JORDAN VINSON

In recognition of their expertise and hard work, the community on U.S. Army Garrison-Kwajalein Atoll thanks Kwajalein Hospital clinical laboratory specialists Leslie Savage, Kathy Reith and Gail Price.

Instrumental in the garrison's Covid-19 testing program, Kwajalein's lab staff have analyzed more than 1,700 Covid-19 tests and enabled the repatriation and arrival of more than 665 residents to USAG-KA. When they're not spending weekends on call or working overtime to process test results, the lab techs also perform cardiac markers, metabolic panels, fecal matter analyses and swimming pool water tests.

Thank your lab techs on your next visit to Kwajalein Hospital, and enjoy #LABWEEK.

ZAMPERINI IS BACK

Capt. Louis S. Zamperini, a decorated Army war hero and Olympic athlete, overcame personal struggles after his release as a WWII prisoner of war on Kwajalein and in Japan, and would go on to inspire a generation of Americans.

A placard honoring Zamperini was recently repaired and is now prominently displayed upon entry into the facility. The Kwajalein community is proud to have Zamperini as the namesake for the garrison's dining facility.



U.S. ARMY PHOTO BY JESSICA DAMBRUCH

RMI TRAVEL BAN EXTENDED TO MAY 2, 2021

RMI NOVEL COVID-19
UPDATED INTERIM HEALTH
TRAVEL ADVISORY &
RESTRICTIONS
ISSUANCE 24:
AS OF APRIL 1, 2021

An extension of the total suspension of international travelers coming into the RMI via air travel will continue until **May 2, 2021**.

For more information about the Republic of the Marshall Islands Issuance 21, please contact the Commander's Hotline at 5-1098 or the USAG-KA Host Nation Office at 5-5235.

ISLAND HOPPER FLIGHT SCHEDULE

United Airlines has confirmed reinstatement of the full Island Hopper flight schedule. Please note that the travel ban for the Republic of the Marshall Islands is still in effect and all flights are subject to change.

For more information, please contact United Airlines reservations at 1-800-864-8331.

MAY CHECK-IN TIMES

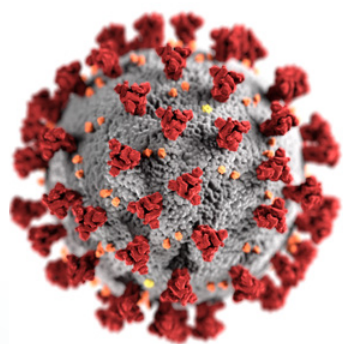
UA 155 - 3:30 - 4:50 p.m.

UA 154 - 10:45 - 11:15 a.m.

MAY FLIGHTS

UA 155 - May 10/24 (HNL)

UA 154 - MAY 11/25 (GUM)



COVID-19 VACCINATIONS ARE NOW IN PROGRESS.

Contact your tenant organization and Human Resources department for an information packet on the vaccine, and forms you need to have pre-filled before your date and time slot. Your organization will notify you of your time slot.

Still have questions about getting the COVID-19 vaccine? Contact USAG-KA Family and MWR Health Systems Specialist Suzanne Mosier at 5-2354 for more information.

OUTBOUND COVID TEST POLICY CHANGE

The Centers for Disease Control and Prevention released new travel guidance. The information that follows is current as of Jan. 30.

- A COVID-19 test is not required for any outbound travelers on the ATI.
- A COVID-19 test is not required if you are flying on United Airlines on official government orders.
- All other United Airlines passengers must have a negative COVID-19 test 1-3 days before travel.

If You Need A Test

You must contact the hospital at 5-2223 to schedule a time for your test. The Kwajalein Hospital is closed Sunday and Monday.

The cost of the COVID-19 test is \$125, due at the time of visit for everyone except for active duty service members and their family members. Cash, credit card and check are accepted forms of payment.

If you have previously tested positive for COVID-19 you must schedule an appointment with a provider 10 days prior to departure.

Passengers must bring a copy of their United flight itineraries at the time of their appointment for proof of flight.

For Outbound United Airlines Passengers Flying Without Government Orders

- Passengers will visit the hospital the day before their flight departs.
- Testing hours: 9 - 11 a.m.
- Results pick-up time is flexible on the day of departure.

These CDC requirements do not change or impact the state of Hawaii's testing requirement or quarantine procedure.

UNITED AIRLINES POLICIES FOR DEPARTURE

Customers at Kwajalein's airport boarding United Airlines flights need to present the items described below:

Customers with a negative test result need to present written or electronic documentation which clearly indicates:

- **Customer name.** (The customer name and any other personal identifiers must match the customer ID).
- **Date the test was taken.** Test must be taken within three calendar days of flight.
- **Type of test.** The CDC rule requires a viral test, which means a molecular COVID-19 test (such as PCR or LAMP) or antigen test.
- **Results must state "negative,"** "SARS-CoV-2 RNA not detected" or "SARS-CoV-2 antigen not detected." A test marked "invalid" is not acceptable

Customers who have previously tested positive must present written or electronic documentation, dated within the last 90 days, of recovery from COVID-19 after previous infection.

This should be in the form of a positive viral test result and a letter on official letterhead that contains the name, address and phone number of a licensed healthcare provider or public health official stating that the passenger has been cleared for travel.

All United customers must also comply with the following requirements:

- **Presentation of a disclosure and attestation form.** The form can be found on the CDC website and will also be available at the departure airport. Customers are encouraged to print and complete the form prior to arriving at the airport.
- **Check-In.** All international originating customers will be required to check-in with a Customer Service representative to verify digital or paper documentation. This mirrors the process we've set up within the U.S. for many international destinations.
- **Failure to Comply Will Result in Boarding Denied.** Customers who do not show proof of a test or refuse to test prior to travel will be denied boarding. Denied boarding compensation will not be paid. Customers in this situation shall be offered a refund or rebooked for a later date at no additional charge.

NOTE: These documentation requirements do not apply to customers flying from U.S. territories such as Guam to the mainland.

CLASSIFIEDS

The community wants to hear from you. Email announcements and advertisements to kwajaleinhourglass@dyn-intl.com Wednesday by close of business. Ads received after deadline will be published in the next issue of the Kwajalein Hourglass.

HELP WANTED

To research and apply for government employment opportunities on U.S. Army Garrison-Kwajalein Atoll and worldwide, visit usajobs.gov. Done hiring? Write to kwajalein.hourglass@dyn-intl.com to remove your help wanted listing.

Berry Aviation, Inc. seeks a part-time Aviation Administrative Assistant for temporary summer hire. Please apply at: <https://www.berryaviation.com/job-listings/>. Click on Aviation Administrative Assistant "Temp Summer Part Time" Location: Kwajalein. For questions email Stacey O'Rourke at stacy.orourke.ctr@mail.mil.

Truestone, an AKIMA company, seeks a telephone operator. For more information about this position and to apply, please click the URL below to visit https://akima.ta-leo.net/careersection/akimallc_cs/jobdetail.ftl?job=TRU01055&tz=G-MT-05%3A00&tzname=.

MIT Lincoln Laboratory seeks a rising senior high school or college student to serve as an Office Assistant during the summer. Interested applicants must have sponsorship and housing on Kwajalein for the duration of the internship (June-August 2021). Contact Tina Legere, MIT LL Site Administrator at 5-5105 or at tina.legere@ll.mit.edu for more information. To apply, visit <https://careers.ll.mit.edu/job/Lexington-Summer-Office-Assistant-MA-02420/717698200/>.

Substitute teachers wanted. Kwajalein School System seeks student-centered adults available from 8 a.m. – 3:30 p.m. to serve as substitute teachers or teacher aids. Contact Paul Uhren for more information at uhrenp@kwajalein-school.com or 5-3601.

USAG-KA Child and Youth Services seeks a Lead Preschool Teacher. Interested applicants must have a relevant associate's degree with two years of specialized experience working in a group program with children or youth, or a bachelor's degree in early childhood education, child development, elementary education or special education. Send your resume to CYS Coordinator Dr.

Stephanie McCutcheon at stephanie.mccutcheon@dyn-intl.com.

U.S. Embassy Majuro seeks a Political/Economic Assistant. Job Announcement No. Majuro- 2012-002; Series/Grade LE1605/9. Email MajuroHR@state.gov, contact Human Resources Office: Ma. Victoria dela Cruz; P.O. Box 1379, Majuro, MH 96960 and visit <https://careers.state.gov/downloads/files/eight-qualities-of-overseas-employees>.

U.S. Embassy Majuro seeks an Administrative Clerk for immediate employment. Job Announcement No. Majuro-2021-003 (series/grade LE 105/6) FS is 08. Actual FS salary determined by Washington D.C. For more information, visit <https://careers.state.gov/downloads/files/eight-qualities-of-overseas-employees>.

Community Bank seeks a part-time Banking Center Service Specialist, or teller. Submit applications and resumes to www.dodcommunitybank.com. Contact Rita Pyne at 5-2152 for more information.

Nan Inc. seeks a qualified quality control manager and site safety and health officer. To apply, visit www.nanhawaii.com and contact Clint Ueatari or Kevin Short at 5-2632, 5-1260 or 5-2998.

Tribalco seeks experienced and highly motivated senior, mid- and junior network technicians to join their team. Apply via <http://www.tribalco.com/jobs.html>.

RGNEXT, LLC seeks qualified candidates to fill several open positions on Kwaj and Roi in engineering, technical and other areas. For more information and to apply, go to www.rgnext.com.

DynCorp International is looking for qualified candidates for various positions. Current DI open positions on USAG-KA include administrative services, data analysts, education services, aviation and airfield operations, marine operations and public works, among others. To apply, go to www.dilogcap.com or contact your local HR representative.

Kwajalein High School Art Show

Featuring artwork by Artists in grades 7 – 12.

May 4 from 4:30 - 6:30 p.m. at the George Seitz Elementary School Art Studio (GES room 14 across from the Millican Family Pool).

This year's theme is Disney. Disney-inspired costumes are welcome. We hope to see you there.



ENJOY PUBLIC WI-FI

Capt. Louis S. Zamperini Cafeteria, Cafe Roi, Surfway, Roi Surfway, the Ocean View Club and the Sunrise Bakery

USAG-KA Child and Youth Services is hiring coaches. No experience necessary. All children of head coaches play for free. Visit Central Registration or call 5-2158 in Building 356.

ACTIVITIES AND EVENTS

Looking to volunteer? Join the Yoke Yuk Welcome Club for Volunteer Training Night April 20 from 5 – 7 p.m. downtown at the Mic Shop. For volunteer information, contact Jill Grabowski at micshop.kwaj@gmail.com.

The George Seitz Elementary School Parent Teacher Organization presents the Sweetheart Dance Under the Stars. Open to all girls in Pre-K through 6th grade and their chaperones. April 26, 2021 from 11 a.m. – 1 p.m. at the Davye Davis Multi-Purpose Room at Kwajalein High School. A taco bar will be served. Volunteers and donors are needed to make this event possible. Contact Rebecca DiBiase or Teresa Mitchell at 5-1657 for a link to volunteer registration or for more information.

The 42st annual RustMan Triathlon is scheduled for April 26. Registration is due on or before April 22 at Qtrs 473-A, Palm Road. For more information, or to volunteer and receive evnet updates and a registration packet, please contact Bob Sholar at 5-1815.

'The Kwajalein Golf Association is looking for men, women and youths who want to play golf. Golf on Kwaj is a fun way to stay fit, meet new people and just have fun. Members of the KGA are also able to establish a handicap that is valid in the United States. KGA Membership costs \$60. For information about joining the KGA contact Shelly Benkert (shellybenkert@yahoo.com) or Mike Winks (winksme@gmail.com).

HOURS AND OPENINGS

Self Help is located in Bldg. 1791. Hours of operation are Monday, Wednesday and Friday - 9:30 a.m. - 6 p.m. Visit Self Help to pick up tools to complete a number of household maintenance and up-keep projects.

Kwajalein Furniture Warehouse. To schedule deliveries and pick-ups of Family Housing or BQ furniture please call the Army Housing Office at 5-3450.

Small Boat Marina Summer 2021 Hours of Operation are now through Oct. 31 from 8 a.m. – 6:30 p.m. Questions? Call the Small Boat Marina at 5-3643.

NOTICES

Alcoholics Anonymous open meetings are Tuesdays at 6:30 p.m. in the REB, room 213.

Ongoing Smoking and Tobacco Cessation. Please call EAP at

5-5362 or make an appointment with a physician. Comment cards are posted near the Surfway entrance and are reviewed on a weekly basis. Your suggestions and ideas are welcome. The Surfway manager and USAG-KA Food Services reps are always available to speak with you and answer questions. Contact Surfway Manager Phillip Kenley at 5-3617 and USAG-KA Food Safety Officer Rick Krewson at 5-5033.

Repairs to the Holmberg Fairways Golf Course locker room building began March 27. Access to some parts of the facility will be restricted during this time. The locker area will remain open. Call MWR at 5-3331 with questions.

Tobacco Use on USAG-KA. Smoking permitted only in designated smoking areas. All smoking and cigarette butt receptacles must be at least 50 feet from entrance of facilities. USAG-KA Policy Memorandum 600-8 sets forth specific policies designed for the protection from the negative impact of tobacco use. Smoking cessation programs are available. Contact Mary Beth Dawicki at 5-5362 or Marybeth.Dawicki@international-sosgs.us.

Island Memorial Chapel Counseling Services. The IMC chaplains are available for appointments on Roi-Namur and Kwajalein. Contact the Chapel office at 5-3505 to schedule a meeting. Discussions are kept private. Confidentiality belongs with the client.

Counseling Available. Schedule an appointment with the Employee Assistance Program by calling Mary Beth Dawicki at 5-5235 or emailing marybeth.dawicki@international-sosgs.us. Information shared in appointments is confidential. As an alternative to in-person meetings, phone consultation or virtual meetings are available utilizing a HIPAA compliant platform. Call 5-5362 for more information.

Electric bikes are not allowed on the garrison per USAG-KA Regulation 56-4. You are authorized use of the bike on USAG-KA If you disconnect the motor. For more information, contact the PMO at 5-3530.

Kwajalein Drug Take Back Program. Safely discard expired materials at one of two island collection receptacles—Tuesday through Saturday during business hours at the Kwajalein Hospital Pharmacy and the 24-hour collection bin at the Kwajalein Police Department, Bldg. 803. Collection items include over-the-counter drugs; pills; tablets and capsules; ointments; creams; lotions; powders and no more than 4 oz. liquid medicines.

The Department of Public works has recently upgraded the water



USAG-KA SPORTS: SOFTBALL

April 6

Mon-Nin def. Baru Baru, 19 – 3
North Camp def. Bako Mona, 2 – 18
Spartans Co-Ed 1 def. Heavy Cargo, 34 – 13
Jab Kajitok def. Scared Hitless, 30 – 19

April 7

Spartan's Women I def. Rogue, 18 – 11
CauseWay def. Bako Mona, 21 – 13
Likajer def. Ke-Wo, 16 – 15
Seniors Y Senioritas def. Co-Ed Spartan Blue, 14 – 5
Spartans Co-Ed I def. Too Much Busy, 17 – 8

April 8

Alumni def. Spartans White, 10 – 7
Komatat Team def. Mule, 18 – 17
Keep In Touch def. Bad Boys, 26 – 9
CTRL+ALT+DEL def. Left Overs, 25 – 1
Rainbow Runners def. Lost Cause, Winner – Forfeit

April 9

Alumni def. Rogue, 7 – 6
Baru Bary def. YSB, 16 – 14
Ek In Ae def. Al-Eak, 14 – 4
Lib def. Bakai'erma, 22 – 21
OFU def. Jablik, 16 – 4

April 10

CauseWay def. Bad Boys, 24 – 22
Lost Cause def. Spartans Co-Ed Blue, 18 – 8
Too Much Busy def. Heavy Cargo, Win – Forfeit
Lollygaggers def. Left Overs, 20 – 4
Mule def. Bad Boys, 18 – 9
Likajer def. CauseWay, 15 – 9
Unsportsmanline Conduct def. Heavy Cargo, 6 – 5
OFU def. Scared Hitless, 26 – 6

April 13

Mule def. Bad Boys, 18 – 9
Likajer def. CauseWay, 15 – 9
Unsportsmanline Conduct def. Heavy Cargo, 6 – 5
OFU def. Scared Hitless, 26 – 6

treatment process, leading to some scaling of the heating elements in island water heaters. The scale can cause strange noises when the element gets hot. Your continued patience is appreciated as DPW personnel fine-tune system upgrades. Please call the DPW Work Control Help Desk at 5-3550 with any questions.

ENVIRONMENTAL NOTICES

Recycle Safely. Please ensure that all aluminum cans are separated from household trash to prevent damage to the island incinerator. Doing your part keeps our island clean. For more information on where you can discard batteries and other specialized items, please contact DI Environmental at 5-1134.

E-WARENESS

Waste Oil Management

Waste petroleum products may be incinerated for energy recovery provided they meet specifications in the USAKA Environmental Standards and are not characteristically hazardous. Waste oil best management practices include the following:

- Always utilize a waste tracking log for each container and never mix waste oil with other waste streams including gas, paints, solvents, or coolants.
- Always maintain adequate headspace in used oil drums to reduce over-pressurization associated with thermal expansion and chemical reactions.
- Always store waste oil drums in a secure location, away from drains, in secondary containment, and protected from the elements.
- Maintain an adequate spill kit in proximity to the drum storage area.
- Ensure drums are clearly labeled in accordance with site procedures.
- Minimize the quantity of stored material by ensuring timely notification to the Haz Waste department for drum pickup scheduling.

Contact Environmental at 5-1134 for information.

Waste oil ko remaron tili ilo jikin ittil en elane renaj lori kamelele ko an USAKA Environmental Standards im elane rejjab kauwatata. Jerbal ko rekkar non kojbarok Waste oil rej einwot:

- Aolep ien kojerbal wot waste tracking log eo non kajojo containers im jab koba waste oil ibben bar jet kain waste ko enwot, gas, paints, solvents, ak coolants.
- Aolep ien koman bwe en ewor jirik kota tulon in drum in oil ko emoj kojerbali non bobrae pressure jen an koba chemical im komman joraan lak im bokkolok.
- Aolep ien kakwoni drum in oil ko ilo ijoko rekkar non kakwoni ie, katoook i jen drain out ko, im container ko jet im men ko jet.
- Likit spill kit itutun wot drum ko.
- Lale bwe drum ko en lon label ie im elukkun clear ta ko label ko rej ba.
- En ikkut lok am kojelaik Haz-Waste department eo bwe ren iwoj im pick up i drum ko non bobrae an lon drum in waste oil.

Kurlok Environmental ilo 5-1134 non melele ko relaplok.

CLASSES

Ballroom Dance Classes. Wednesdays from 7 - 8 p.m. at the Vet's Hall deck. Classes are free and begin with East Coast (triple step) Swing. A dance partner is not required. Email adrift@riseup.net with questions.

Spring Dance Collective with Courtney Strouse. Classes for all age groups in a variety of styles run now through April 30. Email dance-kwaj@gmail.com.

TRAINING

Building Manager Evacuation Coordinator Training (Required for all managers by AR 420-1). Kwajalein training occurs on the first and third Wednesdays of each month beginning at 10 a.m. in the Religious Education Building. Roi-Namur training occurs on the second Wednesday each month at 9:30 a.m. at the C-building. Call 5-3364 to register.

USAG-KA DINING GUIDE

ISLAND DINING FACILITIES

CAPT. LOUIS. S. ZAMPERINI CAFETERIA - KWAJALEIN

TUESDAYS - SATURDAYS*
5:30 - 8 a.m.
11 a.m. - 1 p.m.
4:30 - 7 p.m.

SUNDAYS AND HOLIDAYS*
6:30 a.m. - 9:30 a.m.
11 a.m. - 1 p.m.
4:30 - 7 p.m.

MONDAYS*
6 - 9 a.m.
11 a.m. - 1 p.m.
4:30 - 7 p.m.

*Families are welcome to dine at the Zamperini Cafeteria on Tuesdays, Thursdays, Sundays and Mondays.

Want to receive a daily copy of the menu? Contact Asia Williams at asia.williams@dyn-intl.com to be added to the weekly emailed menu.

CAFE ROI - ROI-NAMUR

TUESDAYS - SATURDAYS
5:30 - 8 a.m.
10:45 a.m. - 12:30 p.m.
5 - 6:45 p.m.

SUNDAYS AND HOLIDAYS
7 - 9 a.m.
10:45 a.m. - 12:30 p.m.
5 - 6:45 p.m.

MONDAYS
6 - 8:30 a.m.
10:45 a.m. - 12:30 p.m.
5 - 6:45 p.m.

DINING DOWNTOWN

SUNRISE BAKERY

Tues - Thursday
6 a.m. - 2 p.m.

SUNRISE BAKERY PIZZA KITCHEN

Friday, Saturday and Sunday,
5 - 9 p.m.

Monday, 5 - 9 p.m.

Don't forget about the late-night menu of rotating specials at the Roi-Namur Outrigger Club and Ocean View Club. For more information, please see the "Bars and Clubs" page.

AAFES - KWAJALEIN DINING LOCATIONS

AMERICAN EATERY

Located at the Kwajalein Dock Security Checkpoint

Sunday – closed
Monday – closed
Tuesday – Saturday,
8 a.m. – 6 p.m.

ANTHONY'S PIZZA

Located at the AAFES Food Court

Sunday, 11 a.m. – 6 p.m.
Monday - Friday,
11 a.m. – 7 p.m.
Saturday, 11 a.m. – 8 p.m.

BURGER KING

Located at the AAFES Food Court

Sunday, 11 a.m. – 6 p.m.
Monday – Friday,
11 a.m. – 7 p.m.
Saturday, 11 a.m. – 8 p.m.

SUBWAY

Located at the AAFES Food Court

Sunday, 11 a.m. – 6 p.m.
Monday, 11 a.m. – 7 p.m.
Tuesday, 10 a.m. – 7 p.m.
Wednesday, 8 a.m. – 7 p.m.
Thursday, 10 a.m. – 7 p.m.
Friday, 8 a.m. – 7 p.m.
Saturday, 10 a.m. – 7 p.m.

THE KWAJALEIN HOURGLASS

Volume 32, No 30

U S Army, Kwajalein Atoll,
Republic of the Marshall IslandsFriday
April 17, 1992

Housing additions, room lofts require permits



The Wyatt family added a living room and bedroom to their trailer. The new construction was approved by the Building inspector and the Fire Inspector. (U.S. Army photo by Jackie Siple)

By Melinda Larson

Housing additions, including patio covers and screened enclosures are closely scrutinized for structural integrity and safe electrical wiring. The government-approved additions become government property when construction is complete.

Once completed and approved, additions are maintained by the government.

"If we approved the construction, then we'll maintain it," said Richard Perry,

Facilities Support Division Construction Maintenance specialist. "The government will repair structures that meet fire codes, building codes and construction requirements," he added. Building standards have been established in SPI 1170.

In order to transfer "ownership" of an addition, the incoming tenant must complete a permit application. If the additions were built after March 27, 1991, they cannot be sold—according to USA-KA Regulation 210-1—because the addi-

tion is considered government property. The incoming tenant is not obligated to accept the addition. If the incoming tenant does not want to accept an addition, then the current tenant is responsible for removing the structure.

"If an incoming tenant does want the structure, it becomes his responsibility to bring it up to code or to restore it if necessary," added Perry. "There are definite procedures to follow if you're moving into a home with an addition."

All construction, including patio covers and fences, require a permit. Transfers and sales of additions built before March 27, 1991, also require permits.

"There are a lot of moves coming up," said Perry. "The more people know about their rights and responsibilities, then the easier the transition."

Bachelors living in BQs also need permits to build lofts in their rooms. After designing a loft, the plan must be reviewed by the building and fire inspectors, as well as the BQ administrator. The residents are responsible for damage that could occur when the loft is installed, including tile damage resulting from beam installation or wall damage incurred when attaching the loft to the wall.

For additional information and copies of applicable instructions, contact your housing representative or the FOM Building Inspector's Office.

QUARANTINE PHASE TWO REDUCED TO TWO WEEKS

The RMI Phase 2 Quarantine Changes for Persons Traveling into the RMI from Countries with Covid-19 Community Transmission

As of March 25, 2021, the duration of the Second Phase of Quarantine on Kwajalein Atoll has been revised to 14 days. The total period of quarantine is now 28 days. This applies to all individuals entering the RMI from countries deemed high-risk for Covid-19 transmission (where community transmission is present).

The two-phase quarantine strategy remains in place and includes the following components:

1) Phase 1 – Secure and monitor hotel quarantine for 14 days in Hawaii. This includes a Covid-19 PCR test and an antibody test prior to entering quarantine, another Covid PCR test on day one and a final Covid PCR test within 48 hours of scheduled departure from Honolulu.

2) Phase 2 – Secure and monitored quarantine on Kwajalein Atoll for 14 days. This

includes Covid-19 PCR tests and antigen tests on days 7 and 14.

This guidance is consistent with current WHO guidance on travel quarantine as well as other national health ministries and other public health agencies. This time period reflects the maximum incubation period for Covid-19 and includes individuals vaccinated against Covid-19 as well as unvaccinated individuals. Covid-19 variants of concern currently follow an incubation period of 14 days.

Mwenan Kein Ka'ruo (2) Ikijjen Kakkolkol Emoj an Oktak Nan Jabdrewot Eo Ej Itok nan Aelin Kein Jen Lal Ko ilikin Im Ewor Naninmij In COVID-19

Ilo rainiin March 25, 2021, jonon aetok in bed ilo jikin kakkolkol eo ilo Kwajalein emoj an oktak jen 14 raan. Jonon kio raan in bed ilo kakkolkol enaj tarrin in 28 raan ko. Wawein in enaj jelet aolep jabdrewot ro rej drelon'e tok RMI jen lal ko ilikin im rej alikar ke elap an ajeeded COVID-19 ie.

Wawein oktak ej bok jikin ekoba tok bar jet bunton ko ippen im rej laajrak enwot:

Mwenan 1- Ped ilo jikin kakkolkol eo ilo Hawaii iumwin 14 raan: Ekoba bar PCR kakkolkol im kakkolkol ko jet im rejelet aolepen enbun mokta jen drelon e jikin etalle/kakkolkol eo, innem bar juon kakkolkol ikijeen PCR iumwin 48 awa mokta jen kelok jen Honolulu.

Mwenan 2- Ped ilo jikin etalle/kakkolkol eo ilo Kwajalein iumwin 14 raan: Wawein ebar koba kakkolkol in COVID-19 eo ikijeen PCR bar enwot kakkolkol ko jet ilo raan kein ka'jiljimjuon (7) & ka'jonoulemen (14).

Wawein in jej loor e ej mottan wot bar bunton ko ilo WHO ikijeen ekkaake ak makutkut jen jikin nan jikin pelaak in lal in im ej barenwot mottan jonok ko kein ilo jabdrewot jikin ejmour ko. Jonon kotoan kein rej kalikar jonok nan bobrae wawein an ajeeded COVID-19 im an jebal uno ippen ro emoj aer bok waa/uno ekoba ro rejjanin dre boke. Jonon eo ekka an walok in emoj watoke kio nan loore iumwin 14 raan.

These quarantine procedures are subject to periodical review by the Ministry of Health. Bunton kein im jebal kein ikijjen jebal in etalle/kakkolkol rej ped wot iumwin jebal ko an MoHHS (ak jikin Ejmour eo).

CYS APRIL SPOTLIGHT



U.S. ARMY GARRISON-KWAJALEIN ATOLL
CHILD AND YOUTH SERVICES

Visit USAG-KA CYS on Facebook for more pictures and information about our events and programs. <https://www.facebook.com/USAGKACYS/>



Child Development Center

Baru Classroom

Saturdays are Water Play Day! Please send your child with water clothes, a swim diaper (if needed), a towel and dry clothes.

Bako Classroom

Tuesdays - STEAM Swim Day. Please send your child with water clothes, a towel and dry clothes.

Wednesdays - STEAM Functional Fitness

Thursdays - Pre-K Music Class

Thursdays - STEAM Library

Saturdays - Pre-K Music Class

Saturdays - STEAM Reading Buddies

School-Age Care

SAC Regular programming:

Tuesdays - Art

Wednesdays - Functional Fitness and Culture

Thursdays - STEM

Fridays - Recreation

Saturdays - Character Counts

4-H

Every Wednesday and Friday from 4:30 - 5:30 p.m.

April Theme - Art

Register in Central Registration

Sports

Field Hockey - through May 1



Namo Weto Youth Center

Tuesdays - Recreation -

3:15 - 4:15 p.m.

Keystone Meetings - 11:40 a.m.

Wednesdays- Tremendous Trivia - 4:30 p.m.

Thursdays- Ted Talks- 4 p.m.

Frappaccino Friday - 4 p.m.

Saturdays - Smoothies - 3:15 p.m.

Saturdays - Money Matters - 4 p.m.

Sundays- Keystone Club Officers Meeting - 4:15 p.m.

Sundays- Board Games - 4 p.m.

Special Events

April 17 - Purple Up! Day- Everyone wears purple in celebration of Month of the Military Child.

April 25 - MOMC Family Carnival



UNITED STATES ARMY
CHILD & YOUTH SERVICES

Get ready for fun at this free annual carnival to celebrate military-connected kids on USAG-KA.

For more information, please contact Central Registration at 5-2158.

FINISHED READING THOSE LIBRARY BOOKS?

Please return books and DVDs to the Grace Sherwood Library so other patrons can enjoy them.

Visit the Grace Sherwood Library during business hours to learn more about upcoming library activities. For information, call 5-3331.





PHOTO BY ALLENA CHILDRRESS



MWR FITNESS CLASSES

From left, Maria Sadowski, Pam Carroll, Shawn Carroll, Cherrilyn Ranis, Maui Wyatt and Christina Sylvester pose for a photo-finish to Zumba class with MWR instructor Allena Childress, center. Check out the monthly class schedule below for ways to plug into an island fitness program.

Yoga

Tuesday and Thursday at 5:30 p.m. in CRC Room 7

Water Aerobics

Tuesday and Thursday at 9:15 a.m. at the Adult Pool

Zumba Toning

Wednesday at 9:15 a.m. in CRC Room 7

Zumba Dance

Wednesday and Saturday at 6 p.m.; Friday at 9:15 a.m. in CRC Room 7

Spin

Tuesday at 6:40 p.m.; Thursday and Saturday at 5:30 a.m.

Unless otherwise noted, all classes are held in CRC Room 7 and are subject to change without notice. All classes require an MWR fitness pass. Passes can be purchased at the MWR Desk in the Grace Sherwood Library.

For more information, please call MWR at 5-3331.



RELIGIOUS SERVICES

Kwajalein Chaplain Brian Conner addresses attendees at the Emon Beach 2021 Easter Sunrise Service.

Contact the Island Memorial Chapel office at 5-3505 for more information about religious services and activities on U.S. Army Garrison-Kwajalein Atoll.

The Church of Jesus Christ of Latter-day Saints Services

Sundays at 10 a.m. in CRC Room 1.

Please contact Conrad Acosta at 5-2965 for more information.

Protestant Services

- Sundays at 8:15 a.m. in the small sanctuary and 11 a.m. in the main sanctuary.
- Kingdom Kids children's program meets during Protestant services at 8:15 a.m. and 11 a.m.

Catholic Services

- Sundays at 9:15 a.m. in the IMC main sanctuary.
- Weekdays at 5:15 p.m. in the IMC chapel offices
- Saturdays at 5:30 p.m. in the IMC small sanctuary.
- Children's program meets Sundays during the 9:15 a.m. Catholic Mass.

Activities

Men's Bible Study meets Thursdays at 5:45 p.m. in the chapel conference room.

Ladies' Bible Study meets 9:15 a.m. Thursdays at Qtrs. 405-B Taro. Contact Sally Bulla at 5-9804 for more information.

Youth Fellowship meets April 19 at 6 p.m. in the REB.

COUNTRY CLUB

Birthday Bash.

Come celebrate island birthdays with MWR every third Sunday from 6 - 9 p.m. Enjoy complimentary shuttle service available from the Ocean View Club every 30 minutes from 5 - 9 p.m.

Brunch.

Enjoy Country Club Brunch every first Sunday of the month from 10:30 a.m. - 12:30 p.m. Enjoy a variety of sweet and savory brunch foods. Cash only; monthly prices and menu items are subject to change. No reservation required. Seating is limited. Shuttle service available every 30 minutes. Customer pick-up is in front of the Food Court starting at 10 a.m. There is a 45-minute time limit per table.

Saturday. Enjoy happy hour and play Uno every Saturday at 6 p.m.

OCEAN VIEW CLUB

Wednesdays. Raise your glass and toast Wednesday at happy hour from 5 - 7 p.m.

Saturdays. Enjoy fun activities like game nights, karaoke, theme nights and live music.

Mondays. Enjoy Monday meal deals on Men's Night from 5 - 7 p.m.

SHUTTLE SERVICE

MWR offers shuttle service to and from the Country Club every 30 minutes from 5 - 8 p.m. Saturdays. For more information, contact Nikeya Lagrone at 5-9205 or 5-3331.

OUTRIGGER CLUB

Check with MWR for meal specials and activities at the Outrigger Club by calling 5-3331.

Wonder Woman 1984
 (R) 108 min.
 April 17, 7:30 p.m.
 Roi, C-Building

Frozen 2
 (PG) 103 min.
 April 18, 7:30 p.m.
 Kwajalein, Yuk Theater

Unless otherwise indicated, all movies begin at 7:30 p.m. Contact MWR at 5-3331 for more information. Show-times may vary for special “Movies Under the Stars” events.

KWAJALEIN - YUK THEATER
Saturday, April 17
“7 Days in Entebbe”
 (PG-13) 107 min.
Rosamund Pike, Daniel Eddie Marsan
 In July 1976, four terrorists hijack an Air France flight from Tel-Aviv to Paris and force the flight crew to land in Entebbe, Uganda. There, the Jewish passengers are held hostage, with their safety contingent on the release of dozens of terrorists jailed in Israel, Germany and Sweden.

Sunday, April 18
“Frozen 2”
 (PG) 103 min.
Idina Menzel, Kristen Bell, Josh Gad
 Elsa the Snow Queen has an extraordinary gif—the power to create ice and snow. But no matter how happy she is to be surrounded by the people of Arendelle, Elsa finds herself

strangely unsettled. After hearing a mysterious voice call out to her, Elsa travels to the enchanted forests and dark seas beyond her kingdom—an adventure that soon turns into a journey of self-discovery.

Monday, April 19
“Super Troopers 2”
 (R) 100 min.
Steve Lemme, Paul Soter
 Always looking for action, five over-enthusiastic but under-stimulated Vermont State Troopers raise hell on the highway, keeping motorists anxiously looking in their rear-view mirrors. Between an ongoing feud with the local cops over whose you-know-what is bigger, and the state government wanting to shut them down, the “Super Troopers” find themselves precariously and hilariously heading toward calamity as they try to avoid extinction.

ROI - C-BUILDING
Saturday, April 17
“Wonder Woman 1984”
 (PG-13) 151 min.
Gal Gadot, Kristen Wiig
 Diana Prince lives quietly among mortals in the vibrant, sleek 1980s—an era of excess driven by the pursuit of having it all. Though she’s come into her full powers, she maintains a low profile by curating ancient artifacts, and only performing heroic acts incognito. But soon, Diana will have to muster all of her strength, wisdom and courage as she finds herself squaring off against Maxwell Lord and the Cheetah, a villainess who possesses superhuman strength and agility.

Sunday, April 18
“Judas and the Black Messiah”
 (R) 126 min.
Daniel Kaluuya, LaKeith Stanfield
 Offered a plea deal by the FBI, William O’Neal infiltrates the Illinois chapter of the Black Panther Party to gather intelligence on Chairman Fred Hampton.

USAG-KA WEATHER WATCH

RTS WEATHER STATION STAFF



SUN - MOON - TIDES

WEATHER DISCUSSION: As low pressure strengthens near Wake Island over the coming days, the Intertropical Convergence Zone will lift north through the Marshall Islands, resulting in gradually veering winds and periods of unsettled weather, including the potential for heavy rainfall accumulations and isolated thunderstorms.

Winds this weekend will be from the ENE-SE Saturday, SE-S on Sunday, and S-SW on Monday, with a westerly component possible into Wednesday. While wind speeds are expected to stay generally under 10 knots, outflow from areas of heavy rain introduces the possibility of West Wind Warnings.

SATURDAY through MONDAY: Mostly cloudy with a chance of showers and isolated thunderstorms each day. Winds 5-10 knots from ENE-SE Saturday, SE-S Sunday, and S-SW Monday. Expect higher gusts near rainfall.

TUESDAY through THURSDAY: Periods of unsettled conditions are expected to continue, with a chance of showers and isolated thunderstorms each day. Winds will be light and variable, with higher gusts and periods of moderate winds possible near rainfall.

	SUNRISE SUNSET	MOONRISE MOONSET	HIGH TIDE	LOW TIDE
SUNDAY	6:38 a.m. 6:59 p.m.	10:56 a.m. 11:55 p.m.	6:59 a.m. 3.7' 7:15 p.m. 2.6'	12:34 a.m. 0.5' 1:31 p.m. 0.7'
MONDAY	6:38 a.m. 6:59 p.m.	11:47 a.m. -----	7:36 a.m. 3.3' 8:03 p.m. 2.2'	1:01 a.m. 0.9' 2:25 p.m. 1.1'
TUESDAY	6:37 a.m. 6:59 p.m.	12:40 p.m. 12:46 a.m.	8:44 a.m. 2.9' 10:32 p.m. 2.0'	1:39 a.m. 1.3' 4:24 p.m. 1.4'
WEDNESDAY	6:37 a.m. 6:59 p.m.	1:34 p.m. 1:38 a.m.	11:15 a.m. 2.8' -----	3:37 a.m. 1.6' 6:50 p.m. 1.1'
THURSDAY	6:36 a.m. 6:59 p.m.	2:28 p.m. 2:27 a.m.	1:07 a.m. 2.4' 1:00 p.m. 3.2'	6:31 a.m. 1.4' 7:44 p.m. 0.7'
FRIDAY	6:36 a.m. 6:59 p.m.	3:23 p.m. 3:15 a.m.	1:55 a.m. 3.0' 1:55 p.m. 3.8'	7:40 a.m. 0.9' 8:22 p.m. 0.2'
APRIL 24	6:36 a.m. 6:59 p.m.	4:17 p.m. 4:02 a.m.	2:30 a.m. 3.6' 2:37 p.m. 4.2'	8:26 a.m. 0.4' 8:56 p.m. -0.2'



Click the logo to visit RTS Weather online.

ARMY RESEARCHERS WORK TO MAKE ROBOTS SELF-SUFFICIENT

EXTERNAL REPORT

By U.S. Army Combat Capabilities Development Command, Army Research Laboratory Public Affairs

ADELPHI, Maryland—The future battlefield will rely on teams of air-and ground-based autonomous agents operating mission-to-mission with no Soldier intervention.

Army researchers have developed a unique approach that allows a rotary wing unmanned air vehicle to land on a moving unmanned ground vehicle without the aid of the Global Positioning System and recharge before moving on to the next mission.

Teams of autonomous air and ground agents will enable operations in search and rescue environments that are too remote or dangerous for humans, but often require extensive positioning and communication infrastructure, said Army researcher Dr. Stephen Nogar of the U.S. Army Combat Capabilities Development Command, known as DEVCOM, Army Research Laboratory.

“UAVs will need the ability to operate with no Soldier intervention, and a critical function is landing autonomously on static and moving ground vehicles, recharging, then taking off to perform new missions,” Nogar said. “Additionally, UAVs will not be able to rely on GPS, as it is unreliable and easily disrupted, so these behaviors will need to be performed using other sources such as onboard vision.”

Nogar and fellow researchers from the lab developed a straightforward approach that maximizes the use of modern robotics tools to achieve a rotary wing UAV landing on a moving UGV without the aid of external positioning systems.

As part of the International Symposium on Safety, Security, and Rescue Robotics, the Institute of Electrical and Electronics Engineers recently published the research.

Researchers performed all the computations onboard the vehicle using low-cost sensors and computers. Also, no communications occurred between the UAV and UGV.

The team conducted both software-in-

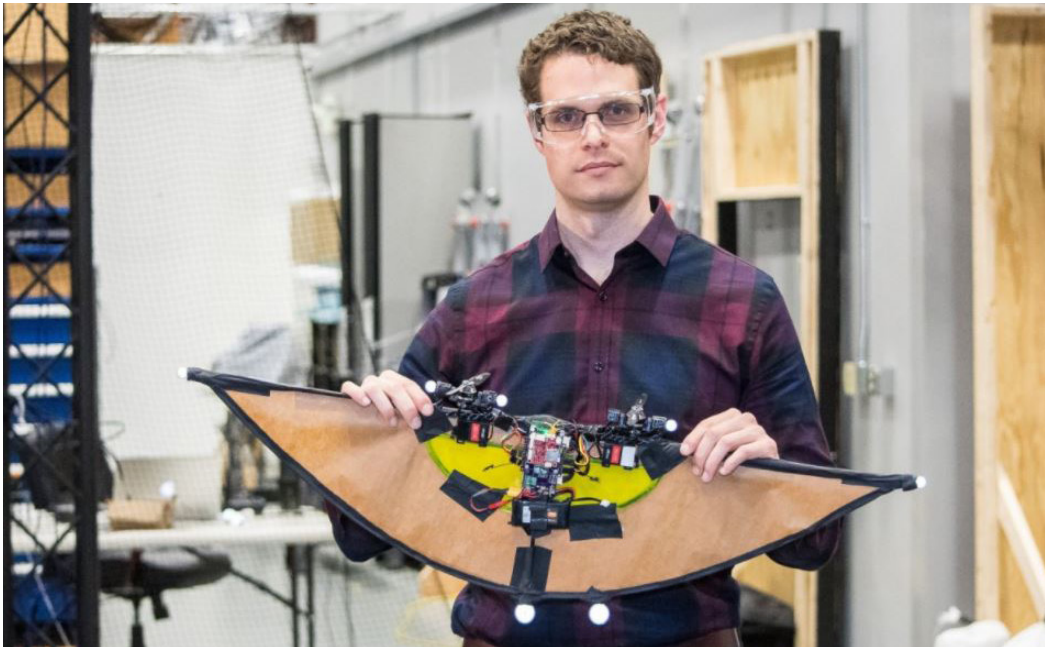


PHOTO BY DAVID MCNALLY

Dr. Stephen Nogar, Army research, holds up an aerial robot at the U.S. Army Development Command Research Laboratory. Similar autonomous devices are improved at the ARL to support the Warfighter in the field of future combat operations.

the-loop simulations and outdoor experiments and demonstrated the algorithm to be effective at performing landing maneuvers. Using a small custom-built quadrotor and a Clearpath Warthog UGV at jogging speeds, the researchers experimented with landings.

“This work combines GPS denied behaviors and an experimentally proven behavior that is rare in academia or industry,” Nogar said. “It combines several cutting-edge areas such as vision-based localization using visual-inertial odometry, a unique marker on top of the ground vehicle designed for this application and onboard behaviors and control. Additionally, these are all performed onboard a small UAS with significant computational constraints.”

According to Nogar, what makes this research unique is the practical demonstration of this task outdoors, without GPS, using the computing power onboard the UAS. Other work in this area often relies on some or all these factors being less constrained.

Additionally, he said, this project uses a custom marker on top of the ground ve-

hicle that is specifically designed for the landing task. It contains smaller markers within the bigger marker that can still be viewed even as the camera approaches the marker.

Looking to the future, work in this area continues in two main areas:

Reducing dependence on the fiducial marker on top of the ground vehicle and replacing it with artificial intelligence that recognizes the vehicle on which it wants to land

Improving the reliability and speed of the landing such that it can be used to meet appropriate op-tempo requirements

“Autonomous landing is critical to making UAVs useful on the future battlefield,” Nogar said. “For instance, the Next Generation Combat Vehicle is expected to have a UAV paired with it. Within the lab, several projects are using this capability as part of more complex behaviors.”

Visit the laboratory’s Media Center to discover more Army science and technology stories online at <https://www.arl.army.mil/>.



In this U.S. Army photo, researchers show the data and coordinate frame visualization during landing, Middle: Gazebo simulation view, Right: Simulated camera view with marker detection overlaid.

Get Ready to Grill Safely

Separate

When shopping, pick up meat, poultry, and seafood last and separate them from other food in your shopping cart and grocery bags.



Chill

Keep meat, poultry, and seafood refrigerated until ready to grill. When transporting, keep below **40°F** in an insulated cooler.



Clean

Wash your hands with soap before and after handling raw meat, poultry, and seafood. Wash work surfaces, utensils, and the grill before and after cooking.



Cook

Use a food thermometer to ensure meat is cooked hot enough to kill harmful germs. When smoking, keep temperature inside the smoker at **225°F** to **300°F** to keep meat at a safe temperature while it cooks.

145°F	beef, pork, lamb, veal (then let rest 3 minutes before serving)
145°F	fish
160°F	hamburgers and other ground meat
165°F	poultry



Don't cross-contaminate

Throw out marinades and sauces that have touched raw meat juices. Put cooked meat on a clean plate.



Refrigerate

Divide leftovers into small portions and place in covered, shallow containers. Put in freezer or fridge within two hours of cooking (one hour if above **90°F** outside).



www.cdc.gov/foodsafety

Accessible version: <https://www.cdc.gov/foodsafety/communication/bbq-ig.html>

CS296044A



CONTACT THE USAG-KA SEXUAL HARASSMENT/ ASSAULT
RESPONSE AND PREVENTION VICTIM ADVOCATE



CW3 Michael Schafer
SHARP Victim Advocate
Work: 805 355 3421

USAG-KA SHARP Pager:
805 355 3241 #0100

DOD SAFE Helpline:
877 995 5247

MIT Lincoln Laboratory Internship Program

Summer 2021

RMI Intern Training Program

*Spend 10 weeks on Kwajalein learning about
information technology in a hands-on environment.*



For applications and additional
information, please contact
Chameé Cross or Tina Legere:

Email: tina.legere@ll.mit.edu
chamee.cross@ll.mit.edu
Phone: 805-355-5105
805-355-5102

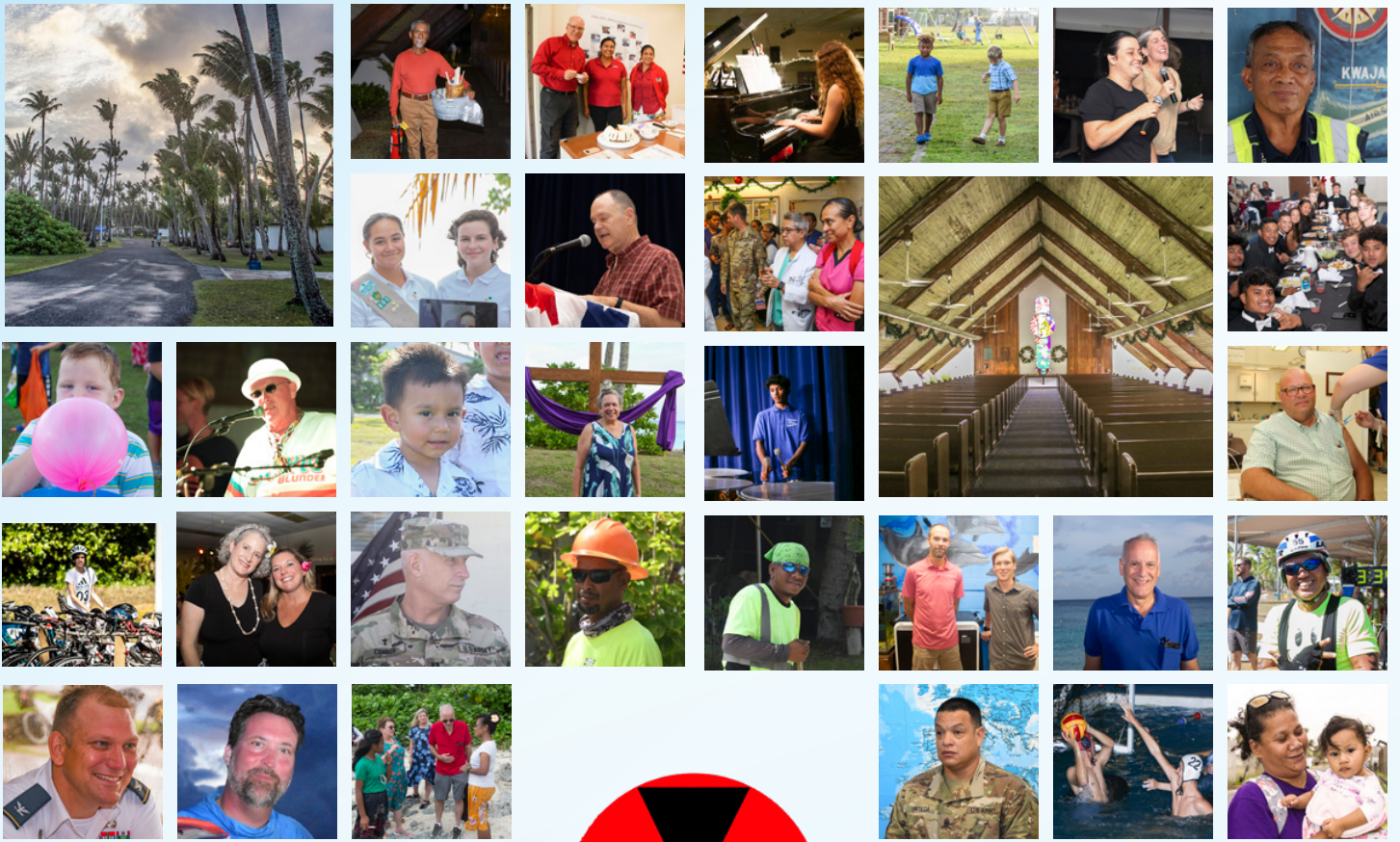
APPLY AND INTERVIEW
IN PERSON
AT
CMI EBEYE CAMPUS

23 April 2021
24 April 2021
12:30pm - 5pm

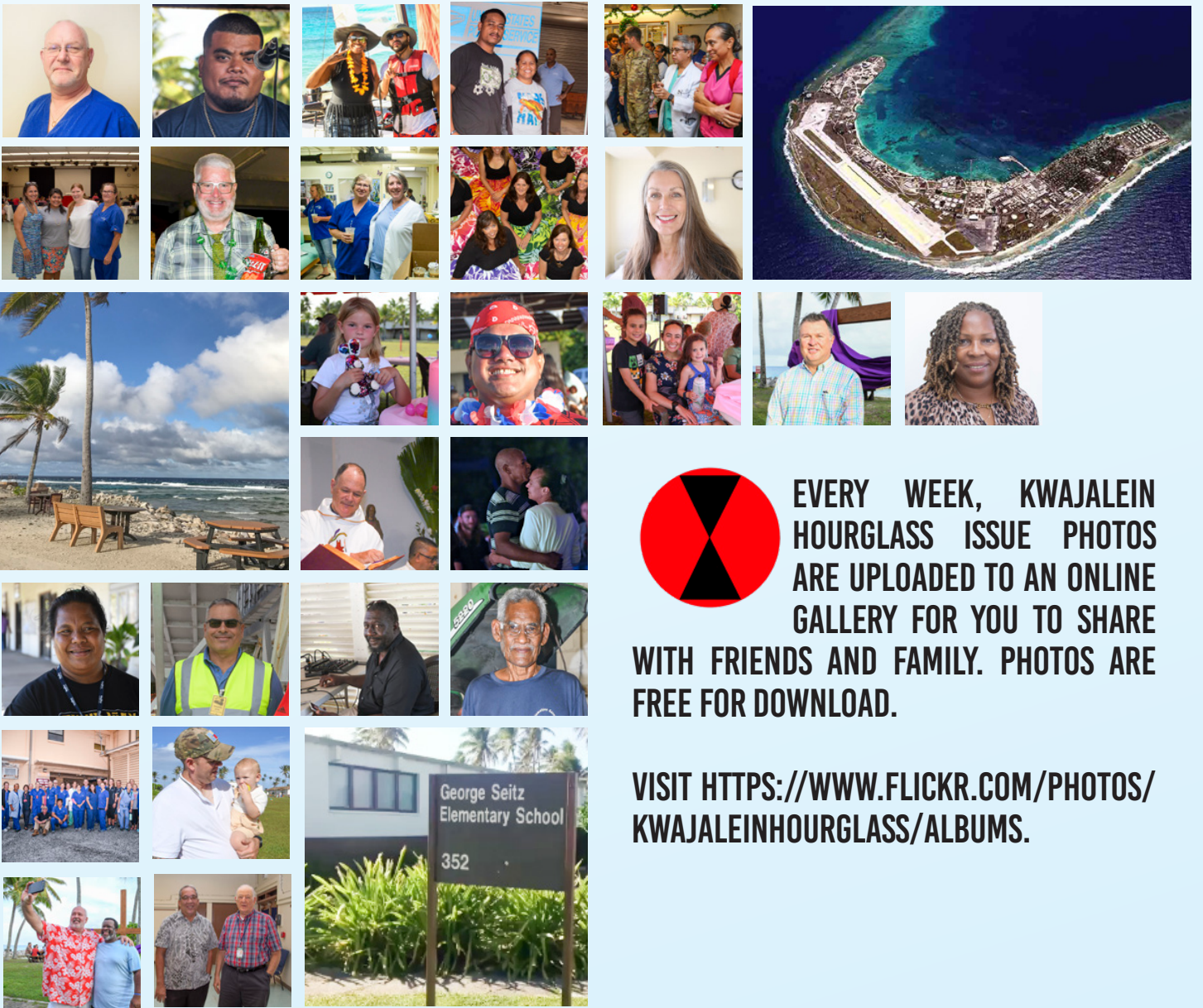
RMI interns have the opportunity to participate in a 10 week information technology training program on Kwajalein. Supported by the Massachusetts Institute of Technology Lincoln Laboratory (MIT LL) and the United States Army Garrison–Kwajalein Atoll (USAG-KA), two motivated interns will gain valuable on-the-job training in the field of information technology related to computer management, server administration, and computer networking.

Each week, interns will learn new topics and apply their knowledge to hands-on projects in the laboratory and a final project in the field. Topics include computer hardware and software, network equipment and configuration, and troubleshooting. In addition to class and laboratory work, interns will receive lectures and tours, including a weather station tour and a visit to Roi-Namur to learn about radar, optics, and telemetry.

As part of the program, the selected interns will receive three meals a day and a weekly monetary stipend for expenses for the duration of the program. After successful completion of the program and acceptance into an accredited university, interns are also eligible for a \$1,000 scholarship to continue their education!



**YOU ARE ALWAYS
AN IMPORTANT PART
OF OUR BIG PICTURE.**



**EVERY WEEK, KWAJALEIN
HOURLASS ISSUE PHOTOS
ARE UPLOADED TO AN ONLINE
GALLERY FOR YOU TO SHARE
WITH FRIENDS AND FAMILY. PHOTOS ARE
FREE FOR DOWNLOAD.**

**VISIT [HTTPS://WWW.FLICKR.COM/PHOTOS/
KWAJALEINHOURLASS/ALBUMS](https://www.flickr.com/photos/kwajaleinhourglass/albums).**



U.S. NAVY PHOTO BY LT. CMDR JOHN. D. SCHNEIUDAU



WE'RE HERE BECAUSE THEY GOT HERE FIRST.

HOW OUR NEWSPAPER GOT ITS NAME

THE SHOULDER SLEEVE INSIGNIA OF THE 7TH INFANTRY DIVISION CONSISTS OF TWO BLACK, EQUILATERAL TRIANGLES PLACED VERTICALLY ON A RED CIRCULAR DISC GIVING IT AN HOURGLASS SHAPE.

THE HOURGLASS OF THE INSIGNIA WAS CONSEQUENTLY USED IN THE TITLE OF THE ISLAND NEWSPAPER, THE KWAJALEIN HOURGLASS.

#SALUTETHE7TH

GET THE WORD OUT. SEND ANNOUNCEMENTS, COMMUNITY UPDATES AND EVENT FLIERS TO KWAJALEINHOURGLASS@DYN-INTL.COM WEDNESDAYS BY 5 P.M.

FOR MORE INFORMATION, CONTACT USAG-KA PUBLIC AFFAIRS OFFICER MIKE BRANTLEY AT 5-4848.



CLICK THE 7TH INFANTRY DIVISION LOGO TO CHECK OUT PHOTOS FROM THE KWAJALEIN HOURGLASS ONLINE.