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THE KWAJALEIN HOURGLASS



An unarmed LGM-30G Minuteman III ICBM launches Aug. 19, 2015 at Vandenberg Air Force Base, California. The missile's trajectory took it to Kwajalein Atoll as part of the Air Force's operational and evaluation program, which validates the reliability of the nation's ICBM fleet.

For more, see page 2.

 U.S. Air Force/Joe Davila

US AIR FORCE GLOBAL STRIKE COMMAND, SPACE COMMAND

LAUNCH MINUTEMAN III FROM VANDENBERG

BY CAPT. CHRISTOPHER MESNARD, AIR FORCE GLOBAL
STRIKE COMMAND PUBLIC AFFAIRS / REPORTING FROM
BARKSDALE AIR FORCE BASE, LOUISIANA, GLOBAL
STRIKE COMMAND HEADQUARTERS

The Air Force Global Strike Command's 91st Missile Wing completed an operational test launch of an unarmed LGM-30G Minuteman III intercontinental ballistic missile at Vandenberg Air Force Base, California, Aug. 19, continuing its mission of providing strategic deterrence for the U.S. and their allies. The launch fell on the 45th anniversary of the day the 91st MW at Minot Air Force Base, North Dakota, put the Air Force's first Minuteman III missiles on alert.

Working with members of the 576th Flight Test Squadron and 30th Space Wing at Vandenberg Air Force Base, the Minot team launched the ICBM at 3:03 a.m. PDT. The test re-entry vehicle impacted in a pre-established test area roughly 4,200 miles away in the Pacific Ocean near Kwajalein Atoll.

"Launching an ICBM under operational conditions is a whole team effort, and that's what we bring out here to replicate the scenarios in the field as close as possible," said Lt. Col. Eric Thompson, the 91st MW Task Force commander. "The operations and maintenance crews who come out here with us know the job they're doing back home is important, and actually coming out here to launch an unarmed missile really solidifies the job we do every day with nuclear deterrence."

Prior to each operational test launch, operations and maintenance crews from the supporting missile wing reassemble the missile, pull alert duties and finally launch the Minuteman III.

"It's very exciting getting the opportunity to do [the launch],



An unarmed LGM-30G Minuteman III intercontinental ballistic missile launches Aug. 19, 2015, at Vandenberg Air Force Base, California. The missile was randomly selected from Minot Air Force Base, North Dakota as a part of the system's operational test and evaluation program, which provides valuable data to evaluators and validates the reliability of the ICBM fleet.

U.S. Air Force/Joe Davila

but it's definitely going to be a team effort with our Minot crews, the space wing and 576th [FLTS] all working together," said 1st Lt. Benjamin Shea, the 741st Missile Squadron assistant flight commander. "The launch itself is going to ensure that the missile is going to do what it was designed to do, and it's good to see that, because we don't get this every day."

All test launches verify the accuracy and reliability of the ICBM weapon system and provide valuable data to ensure the platform remains a safe, secure and effective nuclear deterrent. However, this launch in particular offered a sense of longevity and persistence the mission the Minuteman III community has experienced over the past 45 years.

The former 741st Strategic Missile Squadron at Minot AFB originally brought the first Minuteman III missiles on alert in 1970, just one day after another ICBM anniversary—the first

SEE MINUTEMAN, PAGE 7

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.

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MINUTEMAN MISSION

50 years old and still going strong

BY AIRMAN 1ST CLASS ROBERT J. VOLIO, 30TH SPACE WING PUBLIC AFFAIRS

In 1962, Lt. Gen. Bernard Schriever, commander of Air Force Systems Command, was tasked with naming the latest intercontinental ballistic missile developed to keep pace with the Soviet Union and their long-range ballistic missiles.

The missile's original name was planned to be "Sentinel", but the connection between solid fuel's ability to "launch in a minute" and early America's always-ready Minutemen militias, posed too great an opportunity to pass up. Schriever chose the name "Minuteman" as a nod to these revolutionary American fighters.

On Aug. 18, 1965, the first Minuteman II missile launched successfully from an operationally configured silo at Vandenberg. Now, five decades later, we celebrate the 50th anniversary of that accomplishment.

"The Minuteman ICBM was planned, and proved to be, an efficient, mass-produced, simple, and survivable missile capable of targeting multiple objectives," said Shawn Riem, 30th Space Wing historian. "Such a weapons system helped close the perceived missile gap with Soviet Russia. Minuteman ICBMs cut time-to-launch from hours to minutes - a feat very important in the early days of the Cold War."

The continued testing of the weapons system is as relevant today as it was 50 years ago.

"Since the conception of the Minuteman weapon system during the Cold War to today, the testing at Vandenberg has provided a means of nuclear deterrence for our nation's enemies and security for our nation's allies," said Staff Sgt. Kyle Wiens, lead task supervisor of the 576th Flight Launch Test Squadron electronics laboratory. "Since the 1960s, the Minuteman weapon system has preserved our way of life and helped secure the United States' interests—both domestic and abroad."

Documenting these historical milestones provides proof of the consistent and continued success in accomplishing a key national defense mission at Vandenberg.

"The preservation of the Minuteman's history helps sustain our nuclear heritage and pride in the fact we have been accomplishing the mission successfully for over 50 years," said Wiens.

That preservation begins with collecting and archiving data from past missions—both positive and negative.

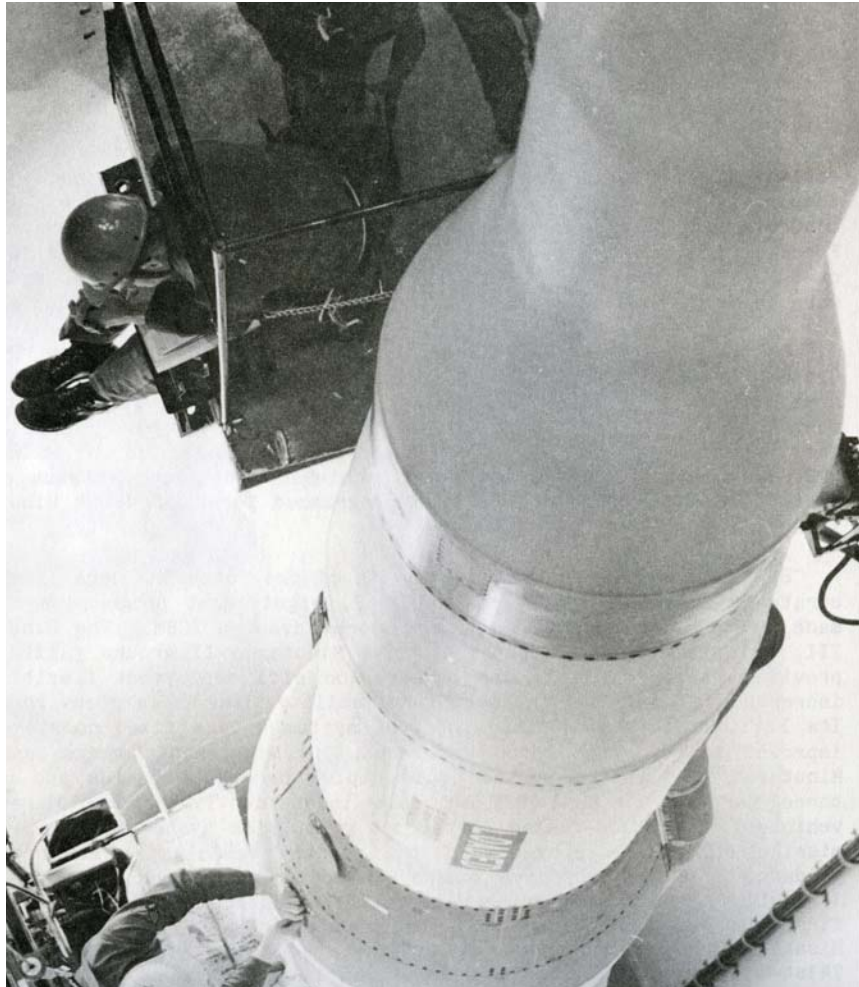
"The 576th FLTS has collected data on all previously launched Minuteman vehicles," said Wiens. "The data is evaluated and used to improve the weapon system through modifications and keep the Minuteman a sustainable

and viable option in the future. The data collected will also help ensure that previous mistakes will not be repeated."

Fifty years after its inception, the Minuteman mission continues to withstand the test of time—thanks to its dedicated predecessors and their successors.

"I think most importantly, we can learn from it," said Riem. "We can gather information from the past, what we did and what the

other guy did, and gauge if our response to events was effective. We can use past events to plan new ways to respond to prolonged conflicts or repeated environmental events, like hurricanes or wildfires. Knowing our history, having some understanding of what we did and why, helps us understand why things are as they are today, and it can help us to not take things for granted."



A Minuteman missile maintenance crew works on a Minuteman II missile, Vandenberg Air Force Base, California. On Aug. 18, 1965, the first Minuteman II missile launched successfully from an operationally configured silo at Vandenberg. Now, five decades later, we celebrate the 50th anniversary of that accomplishment.

📷 30th Space Wing

AN EXCHANGE

Interview and  by Jordan Vinson

U.S. ARMY GARRISON-KWAJALEIN ATOLL COMMANDER COL. MICHAEL LARSEN

began his tour of duty on the garrison three weeks ago. In an interview with the Kwajalein Hourglass this week, Larsen discusses his professional background, the Installation Management Command-Pacific Region transition, his role in bolstering the symbiotic relationships that tie the Army, the garrison community and the R.M.I. workforce together and much more.

Please tell us a little about your background.

I'm a 1992 graduate of the Citadel, the Military College of South Carolina. I'm a second generation graduate; my dad was a graduate in 1962. I always knew I wanted to be in the military. As a dependent growing up—my dad was in for 30 years—it was all I had ever known. For all but four years in my life I lived on an Army installation. The rest of my life I've always been on some type of post, whether it was in Germany or Fort Riley, Kansas or a whole bunch of different places. ... So I always knew this is what I wanted to do.

I always knew I wanted to be an infantry officer as well. I've been an infantry officer for 23 years and in all of those years my assignments have been quite different from this one. So this has been a great learning experience for me. ... Aside from a three-year stint at the start of my career, all I've ever been in is airborne units, either just regular line airborne units like the 82nd Airborne and 173rd Airborne or specialty units like long-range surveillance units. So out of my 23 years, about 15 have been on jump status. That's allowed me to work with some pretty spectacular people.

How will this assignment differ from your previous assignments?

This is my first opportunity to get to serve in a unique organization like this. I would argue that the leadership challenges are at times far greater than what I had the luxury of experiencing in tactical infantry units. This is how I'd explain it: You don't get the same

tangible accomplishments here. If I'm in an infantry unit, I can seize an objective in one day, in a matter of hours. I can execute a deployment in this many months and call it mission accomplished and be successful. ... I could finish a 20-ki-



lometer foot march one morning and say, mission accomplished. When I come to work here, we're talking years for a mission to be accomplished at times because of how military Construction works. When you start talking about renovations with some of the infrastructure we have out here that we've been combating since the 1960s, it is something that takes years to come to fruition. So, tangible accomplishments that happen in the near term just really don't happen here very often.

Basically, you're able to plant the seeds of projects only to see them bear fruit years later, well after you've moved on.

Right. The things that we do as a garrison, while I'm here as the commander, will probably take two changes of command, two more commanders, before we see them come to fruition.

In combat infantry you deal with bullets and grenades. The military out here uses ICBMS and exo-atmospheric kill vehicles. These are two completely different playing fields, all of which are designed to protect the Warfighter. How do you handle this adjustment?



I wasn't selected to come to this organization to be an expert in space and missile defense operations. And Dr. Altendorf [during the change of command ceremony], said it best. When garrison commanders are selected, they're not selected for their subject matter expertise on the place their going to. They're selected for the potential for their leadership, to come here and take their past experiences and apply them to a diverse and unique organization like this and lead it into the future and hope to achieve marked success. Also, it's not so much as a transition from infantry, small arms, heavy machine guns, and the maneuvering of people to space and missile defense. It's still about people. I still think that it's

about caring for the common individual that makes up this garrison. I have to still focus on the common person's everyday needs, because that's what impacts the morale. And without morale we can't do our mission. And it doesn't matter what your job is. If you're part of this headquarters, or if you're part of Kwajalein Range Services, or if you're part of the Reagan Test Site, or if you're part of the incredible Marshallese workforce that comes here every single day, your morale matters. Because without it you can't accomplish the mission successfully. So it simply comes down to taking care of people.

What are some of the advantages or benefits of becoming a garrison commander? What do you foresee being challenges or obstacles that you and your staff will have to overcome during your assignment here?

I don't look at it as pros and cons in terms of benefits or obstacles of being the garrison commander here. Number one: I'm excited; it's an awesome opportunity to get to come and lead something as unique as this. Every single day I'm getting broadened personally as a professional officer and, arguably, as a person, father, husband and common citizen. Before, I could close my eyes and I could tell you what I was going to do for 24 months as an infantry brigade combat team commander. ... I could walk you through everything well ahead of time. ... But in this case, every single day, I never know what's going to happen next in regards to intratoll mobility and other unpredictable island problems. Regardless of what the issue is, though, it is professionally enriching, and I look forward to this opportunity to serve the community on Kwajalein.

The transition of the installation to IMCOM's purview has, as we all know, already occurred. But USAG-KA is still building its IMCOM team on the garrison and reexamining practices and policies installation-wide to ensure that is in compliance with IMCOM regulations and standards.

Right. I'm going to have an enduring struggle to achieve a balance between supporting the enduring missions here, the critically important missions that support our national interests, and morale. And there's always going to be some conflict between those two, and I'm going to have to possess the patience to try to see those through and communicate with the island community, with our Marshallese neighbors, with the ambassador, with KRS, with RTS, the Missile Defense Agency. I'm going to have to rely on good communication skills to make sure that I'm achieving that balance. Because, as

we transition and go from our current state ... to the future state as an Installation Management Command garrison that is fully operational, there are many functions that get us to the end state that have certain capabilities that may cause points of friction.

Now, as we move along those lines, it's my job to explain to [IMCOM-Pacific Region] how to help us get there, and it's my job to help impact morale by communicating to the community that, as we make this transition, there's going to be hiccups. There's going to be things that we've done for the past 20 years on this garrison that, as we transition to a fully operational IMCOM garrison, are going to be different. People might not like that fact. But from a legal standpoint, there are certain Army regulations that we have to follow to transition to an IMCOM garrison. ... It's my job as a commander to communicate with the community, to let them know when changes have occurred, why they've occurred, to be as transparent as possible and to help them get through that process of discomfort that might come with new ways of doing business.

What came across your mind when you first learned you were assigned to USAG-KA? How did you find more information about the garrison?

When I first discovered I was coming here to command I Googled it. I looked it up, and I thought, "This place is really isolated and remote, to a greater extent than any other Army installation I've ever seen." It was kind of intimidating when I saw that. Intuitively, I knew right away that I couldn't imagine the logistical and resource challenges that this place must face every day. I started looking at the RTS website and KRS', and they've got some great background to the quality of life and everything that occurs here. And the more I read, the more excited I got. It started to really create this perception of an island paradise with a really cool, unique mission.

Now, what I did identify as well is that we lack, from the U.S. Army garrison perspective, a website that replicates the same thing that RTS' and KRS' do. And we're working right now to fix that, to improve

that website so that people have a more user-friendly website to go to with those exact same questions that I had.

USAG-KA's relationship with its host nation, the Marshall Islands, is integral to accomplishing its mission. You've already been to Majuro to attend the 36th Nitijela. What was your experience like there, and how does the USAG-KA-R.M.I. relationship fit into how you will lead the garrison?

I was humbled to be invited. I'm just a colonel in the United States Army. To be invited as a special guest to this event was pretty humbling. And then to be recognized by the speaker at the assembly, and then to get the opportunity to sit down with the president of the nation that is allowing us to live within its borders and sit and have lunch with him and then talk to his cabinet, was pretty humbling. I thought I was coming here to just be the garrison commander and was pleasantly surprised to find out that my role exceeded that. To be the senior defense official, to be the right-hand man to Ambassador Armbruster to help him foster these very special relations, is pretty humbling.

It was also inspiring. The Marshallese people are very proud of their unique culture and nation. The different choirs that sang at the assembly and the window tour with the ambassador driving me through the capital showed me this. It was quite an experience getting to see how different Majuro is from Kwajalein or Ebeye or Third Island. The ambassador summed it up well: "Hey, look at this neat environment and community that I get to be a part of and live in." Later on that day I was inspired, meeting some very special R.M.I. citizens who had just enlisted in the U.S. Army. I was inspired because, here's a country that doesn't have its own defense force ... but these individuals, these young people, were stepping up to say, "I want to be part of that. I want to be able to defend my nation if necessary. And I do that in the capacity of serving through the U.S. Army." I thought that was pretty cool.

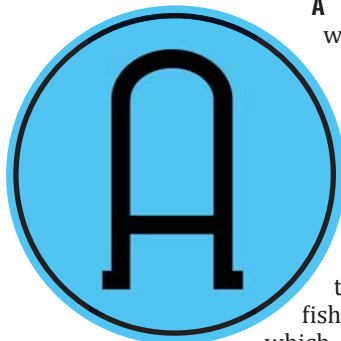
Finally, there's a metaphor that I like to use to demonstrate the complexities and the uniqueness of the relationships that exist on Kwajalein Atoll. If the missions that the Space

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ON THE HUNT

LEADER OF LOCAL MIA RECOVERY TEAM EXPLAINS RECENT FINDS

BY DAN FARNHAM, KWAJALEIN MIA PROJECT LEAD



A relatively new organization was founded on Kwajalein a few months ago. It's an organization with a new name, but with the same mission of finding MIA-related wrecks in the Kwajalein lagoon.

Most who have lived on Kwajalein for any length of time have heard of the Kingfisher Project, the purpose of which is to find a plane from the USS New Mexico that went down in the lagoon Jan. 31, 1944. The pilot, Lt. Forney Fuqua, went down with the plane. The radioman and rear gunner, Harrison Miller, was rescued by the minesweeper USS YMS-383. Those who have been residents on Kwajalein for at least the last two years will remember that in January 2014, two of the YMS-383 crewmen, Ted Sonner and Burl Sousa, came to Kwajalein for the 70th anniversary of the battle. The story of our search for the Kingfisher has been documented extensively since it began.

But the Kingfisher is not the only American plane that went down in Kwajalein lagoon between 1942 and the end of the war in August 1945. There are at least 10 planes that disappeared beneath the surface of the lagoon that have MIA's associated with them. Between those 10 planes, there are a total of 14 American servicemen who are listed as missing in action.

It was for this reason that the original Kingfisher Project was expanded. In March 2015 a new sub-committee was formed under the local American Legion Post, and it was given the name of the Kwajalein MIA Project. Each of the American planes that were lost are listed as separate sub-projects under the overall umbrella of the MIA Project.

While Kingfisher Project still exists, it's not the only project underway now. Together, former resident Bill



The wing root of another aircraft, this time a Hellcat, was documented by the team during an earlier find near Bigej in 2011.

📷 Dan Farnham

Members of the Kwajalein MIA Project dive the tail section of the Gunga Din, a PB2Y-3 Coronado that crashed and split in half in the lagoon in September 1944.



📷 Bill Remick

The tail section of the Gunga Din floats in the lagoon before sinking below the surface.



📷 Naval Photographer Art Block; courtesy of Bill Remick.

Remick, U.S. Marine Corps Maj. Joshua Vance and I began the Kingfisher Project in 2011. Four years later, we're happy to see our efforts expanded into their current form.

One of the primary reasons for organizing under the American Legion was for the ability to fundraise and bring in money to help support our search efforts. The biggest limiting factor during these searches has been the lack of side-scan sonar gear on-island. Without this gear, the team is totally dependent on outside help, which comes only occasionally. I talked over the situation with several team members,

and with fundraising efforts that began with the campaign sales of some Kingfisher Project merchandise, it was decided to bring the project under the American Legion. We're now able to raise money under a non-profit organization. This allows private donors, as well as big corporations who can potentially donate through philanthropy programs, to contribute money to the project. Funds received go into a special bank account set up under the Vets Hall specifically for the Kwajalein MIA Project.

While the Kingfisher has remained elusive since the hunt began in August 2011, two other MIA-related plane wrecks have been found since 2009. The first one to be found was a PBM-3D

Mariner that crashed off Ebeye Feb. 16, 1944, shortly after the atoll was secured following Operation Flintlock. There is one associated MIA with that wreck. It was found in 2009 by Remick and several other former Kwajalein residents.

Another MIA-related wreck was found in October 2011. It is a F6F-3 Hellcat fighter plane that was caught in an explosion on Bigej Island when an ammunition dump exploded following strafing on Feb. 1, 1944 during the battle for the atoll. The pilot, Ensign John Clem, crashed with his plane into the lagoon just off Bigej. It was only found after Remick came across a photo taken of the actual explosion, which showed two splash points in the water with concentric circles emanating from the centers. Using Google Earth, the WWII photo was rotated and overlaid onto a current image of the island, and the GPS points of the two splashes were approximated.

On Oct. 17, 2011, Kwajalein residents Bob Greene, Scott Phillips, myself and former residents Rob Clayton and Hal Parker went into the water and discovered the first of many pieces of the Hellcat that would be found in the coming months. It was the second MIA-related crash site to be found.

Most recently, while on the hunt yet again for the Kingfisher, the back half of a PB2Y-3 Coronado was found. Nicknamed Gunga Din by its crew, the plane had crashed Sept. 14, 1944 while practicing landings in the seaplane operating area between Carlson and Ebeye. The plane broke in half behind the wing, and the two sections of the plane floated on the water for at least half an hour before sinking. The crash took place about a mile east of Carlson.

There is one MIA associated with that crash, Fred Matson. Matson was a Pharmacist's Mate 1st Class in the U.S. Navy. He was in the forward bunking compartment in the nose of the plane when the crash occurred. Despite several attempts to pull him from the wreckage, Matson went to the bottom of the lagoon with the front half of the plane when it sank.

The first signs of the back half of Gunga Din lying on the lagoon floor came Aug. 7, 2015. While Brad Mitchell drove the boat, Remick operated the sonar gear and picked up an image of what appeared to be

SEE MIA, PAGE 12

YOKWE TO THE LARSENS

HOURLASS REPORTS

The Larsen family is, of course, new to Kwajalein. USAG-KA Commander Col. Michael Larsen's family made the move with him three weeks ago from Newport, Rhode Island; they had spent much of the prior four years at U.S. Army Garrison-Vicenza in Vicenza, Italy, where Larsen had been stationed previously.

They have taken to Kwajalein nicely, they all agreed. They look forward to going snorkeling and getting certified to scuba dive. A big draw for the Larsens has been Kwajalein's great beaches and, of course, all of the friendly people.

"Everyone has been so



FROM LEFT TO RIGHT: Col. Michael Larsen; Jacob; Ryan-Marie; and Jeanna. Jordyn, the Larsens' eldest daughter is currently away at college. Also pictured at right is their dog, Molly.

nice and generous," the colonel's wife, Jeanna, said. "They're just friendly and willing to help, and the Marshallese are amazing."

MINUTEMAN, FROM PAGE 2

test launch of an operationally configured Minuteman II missile in 1965. That Minuteman II launch also took place at Vandenberg, stressing the role the base holds in the strategic deterrence testing and evaluation mission.

"Vandenberg has hosted the operational test launch program for over five decades, and it's here that we really have a chance to demonstrate the effectiveness and operational capabilities of our weapon systems," said Col. Craig Ramsey, the 576th FLTSS commander. "Putting all the pieces together, to make a launch happen, seems simple after the fact, but we have teams from Minot working with personnel from our test and evaluation squadron and the 30th Space Wing. It truly is a complex mission to get an asset from the operational unit, add test and safety packages to it, and ensure all facets of the mission are test-

ready—but it's handled by professionals who are the best in the world at their job."

Air Force Global Strike Command's new commander, Gen. Robin Rand, was also on hand to see the Airmen in action for the test.

"I'm truly impressed by the knowledge, the skills and the teamwork that our Airmen demonstrated during this test launch," Rand said. "When I think of the value of these types of tests have played over the years, I think of the messages we send to our allies who seek protection from aggression and to adversaries who threaten peace. I also think about the American people we've sworn an oath to protect; people like my grandchildren who count on us to get this right. We can't let them down."

Currently, Air Force Global Strike Command oversees the nation's more than 400 ICBMs across Minot Air Force Base; F. E.

Warren Air Force Base, Wyoming; and Malmstrom Air Force Base, Montana, all of which randomly select ICBMs from their missile fields to perform operational test launches like this one.



The Aug. 19 Minuteman III shot reenters the atmosphere at Kwajalein Atoll.

From Jordan Vinson

THROUGH THE LENS

KWAJ, AS SHOT BY A CAMERAMAN

IN 1972

One morning in July 1972, Army Signal Corps Cameraman Lee Parker trained the lens of his camera on an aspect of life on Kwajalein that has persisted through the decades of the Army's presence on Kwajalein Atoll: the Kwaj bike.

Tasked with capturing unedited B-roll footage (aka filler material used later in fully-edited film) to be incorporated into a film about the development work of U.S. military Civic Action teams in Micronesia, Parker and his Army Signal Corps teammates appear to have hit the island with rolls of film and cameras in hand to document a bit of the daily goings-on of life in Guam, Kwajalein and elsewhere in Micronesia in the early 1970s.

The predominance of the bicycle as the primary means of transportation on the island seems to have captured the film crew, who spent ample time gathering shot after shot of hundreds of bikes parked outside the then-bustling airport terminal. In some of the footage, which staff at the National Archives and Records Administration's Motion Picture Preservation Lab in Maryland recently digitized and sent to the Kwajalein Hourglass, khaki-clad Army staff and posh housewives bike down a busy Ninth Street between the airport terminal and the Island Memorial Chapel—perhaps to catch a flight to Roi or Meck.

On its own, the 25 minutes of digitized Army Signal Corps footage would have surely been greeted with yawns by contemporary audiences; after all, watch-



A man parks his ride alongside hundreds of others in front of the airport terminal one July morning in 1972. The sheer number of bikes seen in the footage is an obvious indicator of the island's large population at the time.

📷 Stills taken from the Signal Corps' footage

ing people commuting to the airport via bicycle isn't much of a nail biter. However, the viewer today now has the opportunity to enjoy a one-of-a-kind glimpse into what Kwajalein looked like 43 years ago.

The summer of 1972 was an interesting time in the United States. President Nixon's cronies were now being arrested for breaking into the offices of the Democratic National Committee in the Watergate complex. Led Zeppelin's "Stairway to Heaven" and America's "A Horse With No Name" were tearing up the Billboard charts. Jane Fonda was

touring North Vietnam, posing for photos on top of anti-aircraft guns, and the first episode of the rebooted "The Price is Right" would soon air on CBS.

Locally, on Ebeye, less than 6,000 R.M.I. citizens resided on the island. Elsewhere in the islands, Iroijlaplap Amata Kabua was forming the Political Movement for the Marshall Islands Separation from Micronesia, a push to remove the Marshall Islands from the post-WWII era U.S. Trust Territory and grant the islanders their own sovereign state.

It was also during this time that the Nixon administration had signed the landmark 1972 Anti-Ballistic Missile Treaty, an agreement that limited the U.S. and the Soviet Union to 200 anti-ballistic missiles each and helped prohibit either power from tipping the scale of nuclear deterrence in its favor. Living on the Kwajalein Missile Range, which was a major proving ground used to develop and troubleshoot programs like the Army's Sprint and LIM-49 Nike Zeus anti-ballistic missile systems limited by the treaty, Kwajalein residents would have surely taken notice to this news.

But instead of the heady 'realpolitik' of Cold War missile defense and the novelty of game show hosts blathering on about patio furniture and pie crusts (not that Kwaj residents had TV sets back then, anyway), Parker's footage captured a few



In the footage, shot by Army Signal Corps Cameraman Lee Parker in 1972, dozens of residents are seen riding their bikes along Ninth Street, in between the airport terminal and the Island Memorial Chapel. While the prevalence of the bicycle hasn't changed on Kwaj, their makes and models—and certainly clothing styles—have changed.

of the simple daily sights and sounds of life of Kwajalein, some which has remained the same 43 years later.

In addition to all the bike footage, Parker captured: children playing on island playgrounds (perhaps near Emon Beach and the present-day Ivey Gym); local workforce personnel doing road work; men's softball games at Dally Field and Brandon Field; footage of the Kwajalein 'Jogging' Club; and even an interview with the commander of the installation at the time, Col. Jesse Fishback. Unfortunately, there is no audio accompanying the footage; perhaps this is due to the footage's intended use as filler imagery for the Civic Action film. But the images do well in informing today's viewers on what residents back then did for fun, such as biking, playing softball and participating in clubs—all of which hasn't changed a bit.

Heidi Holmstrom, the motion pictures preservation specialist who reached out to the Hourglass with the footage last week, says that more Kwajalein footage shot between May and July 1972 for the Civic Action film exists, though the reels have not been digitized. Along with reels of footage from the Mariana Islands and elsewhere in the region, a fully edited, complete film about U.S. military developmental Civic Action work in Micronesia may exist in the archives. A search for the film is currently underway, but the National Archives' Motion Picture Preservation Lab staff hasn't made any promises.

"If the edited film was completed, we may or may not have a copy at NARA," Holmstrom wrote via email. "Because the military produced so many films, we sometimes can only accept a sample of what is offered to us. But it's possible we may have the film and it's just not listed in the online catalog."

The story of how the Signal Corps footage of Micronesia and the edited Civic Action film—if it exists—came into the possession of the National Archives is difficult to know for sure. The military services have a long tradition of documenting their activities, both for propaganda and informational purposes, and turning it in to the National Archives for preservation. For instance, about 50 percent of the film, edited and unedited, that the Motion Pictures Preservation Lab has in its libraries has come from the military, Holmstrom wrote. Most of it remains in its original form, catalogued and stored away at low temperatures for safe keeping until someone requests to view the



CLOCKWISE FROM TOP LEFT: A man with the Army Signal Corps team interviews an unidentified woman in the final minutes of the B-roll footage. A stylish woman walks toward the airport after parking her bike near the Island Memorial Chapel. Residents gather at Brandon Field to watch men's softball games; in addition to bike footage there are several minutes of footage of sporting activities on Kwajalein, such as softball and Kwajalein 'Jogging' Club events. The Army Signal Corps identification card identifies a man named Lee Parker as the cameraman; no other teammates are identified. Kwajalein Missile Range Commander Col. Jesse Fishback is interviewed by the Signal Corps team in what looks to be a location in family housing; Fishback was the commander of the installation from 1971 to 1973.



footage. At that point, the footage is briefly pulled from the archives to be copied onto a digital medium, or digitized.

"We do all of the conservation and preservation work on the film collection and create digital copies for access," Holmstrom wrote. "This film came to us because a researcher wanted to view it in the research room. If a reference copy does not exist that can be served to a researcher, we scan the film and make a DVD. If a film looks particularly interesting, then we'll sometimes put it on our YouTube page or write a blog post about it."

Having found Parker's Signal Corps Kwajalein footage interesting enough to upload to YouTube, Holmstrom also wrote about it in an Aug. 19 post on the National Archives Unwritten Record Blog. The sheer number of bikes and their peculiar gooseneck steering columns drew her attention.

"How do you get around when you live on a 1.2 square-mile island with no privately owned vehicles? If you live on Kwajalein Island, bicycles are the answer. But these aren't just any bicycles," Holmstrom wrote. "Due to the salty air and humid climate, any bike but the most sturdy will quickly

rust away. The 'Kwaj bike' is usually a single-speed bike with coaster brakes. Some of them have been modified to elevate the handlebars to chin level, or above."

In addition to the search for the Signal Corps' edited Civic Action film, an effort has begun to digitize the other film reels containing Kwajalein footage that Parker and his teammates shot between May and July 1972. Pay attention to the coming issues of the Hourglass for updates.

In the meantime, if you're keen on getting a glimpse 1972-era Kwaj, don't miss this rare treat from the National Archives and Records Administration's Motion Picture Preservation Lab. You can view the content via the following URL address or by visiting the U.S. Army Garrison-Kwajalein Atoll Facebook page.

<http://unwritten-record.blogs.archives.gov/2015/08/19/a-bike-like-no-other/>

Underwater Photos of the Week



HOURLASS REPORTS

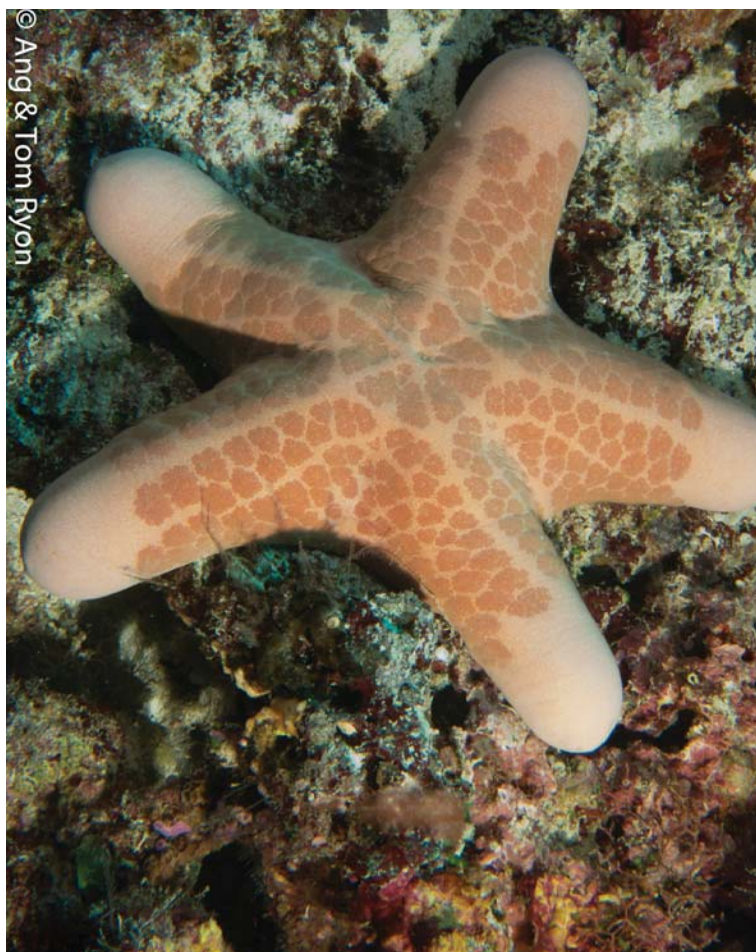
T

his *granulated sea star* (*Choriaster granulatus*) was recently photographed by Kwajalein resident Tommy Ryon during a scuba diving trip to the Republic of Palau.

These tropical starfish are found throughout much of the Indian Ocean, especially along Africa's eastern coast, and the western Pacific, from

Japan in the north to New Caledonia in the south. The granulated sea star is one of nearly 1,500 species of starfish that live in the planet's oceans.

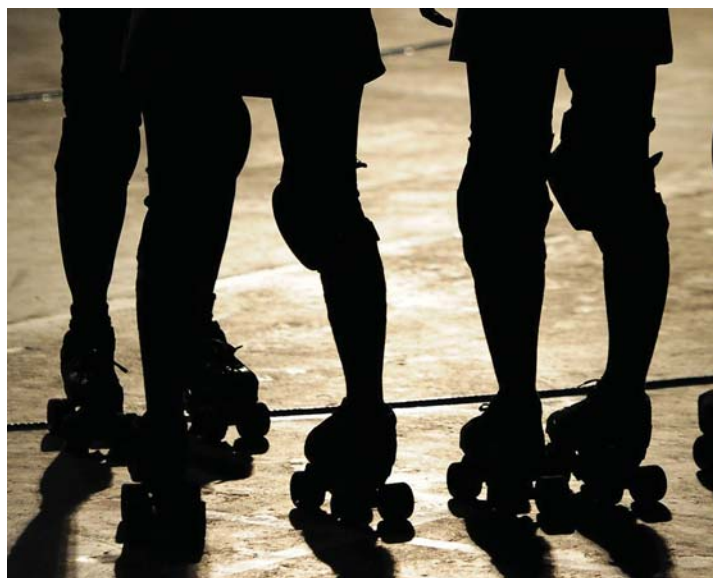
Choriaster granulatus is known for its ruddy, pink hue and its five stubby little conical arms, a feature for which the species is often called the doughboy star. Like other sea stars, the species feeds on small invertebrates, dead marine animals and coral polyps. It lives at depths of up to 40 meters, typically among coral reefs and rubble where there is ample food to graze on, and can reproduce both sexually and asexually.



© Ang & Tom Ryon

Granulated sea star by Tommy Ryon

KWAJ FOLKS GET THEIR ROLL ON AT SKATE NIGHT EVENTS



HOURLASS REPORTS

A new community-wide past time has taken Kwajalein by storm: roller skating and rollerblading at the CRC Gym. While not the newest hobby to enter the realm of Americans' pursuit of having a good time, Community Activities roller skating events at the gym have given kids and parents from around the island plenty of cause to knock the dust off their old 'blades and get a solid dose of fun exercise.

The brain child of CA Recreation and Programs Manager Mandie Morris, the events have been held about twice each month, and each event seems to draw more people out.

"It's pretty cool that so many kids and parents have heard about the events and are coming out with their roller skates and rollerblades," Morris said. "I thought it would be a neat one-time event, but due to the interest from participants, we're making this a regular thing. It's not every day you can rollerblade in the gym, after all."

The latest session, which Morris held Wednesday, introduced a new challenge for participants: limbo skating. Wednesday's limbo skating masters get a shout out below.

Family Skate winners:

Julian Beguhn

Honorable Mention:

Nikki Delisio (oldest participant)
Wylie Savage (youngest participant)

Youth 10 - 13 winners:

Kendal Warren (first game)
Ayana Kaneko (second game)

Home

TO THE NEW KWAJALEIN SCHOOLS SYSTEM TEACHERS

HOURLASS REPORTS

CHAD STRUHS



Grade/subject matter: Superintendent/principal; also certified in chemistry and mathematics. **Where are you from?** Idaho Falls, Idaho. **How did you hear about Kwaj?** I wanted to apply for the position eight years ago but was glad to wait. **What do you think about Kwaj so far?** I love it! Everyone has been really wonderful. **What are you looking forward to?** Meeting and getting to know the children here; fishing; becoming part of this community with my family.

MALLORY MASCIARELLI



Grade/subject matter: High school math. **Where are you from?** Kwaj! I was born here! Did two tours and PCS'd in 1996. **What do you think about Kwaj so far?** Every day here has been amazing. **What are you looking forward to?** Snorkeling, playing sports and teaching, of course!

DANA MOORE



Grade/subject matter: First Grade. **Your experience on Kwaj?** I've lived on Kwajalein for 11 years and am excited to be working at George Seitz Elementary once again.

MEGHAN CONNOR



Grade/subject matter: Mathematics. **Where are you from?** Fort Collins, Colorado. **How did you hear about Kwaj?** My mentor teacher from student teaching has family out here. I was looking for an adventure, and she thought that this fit the bill! **What do you think about Kwaj so far?** Kwaj is a gorgeous place. I still can't get over how blue the ocean is and how clear the stars are at night. I have to keep reminding myself that I live here. **What are you looking forward to?** I'm looking forward to scuba diving and mastering the mandolin!

DANIEL CLABO



Grade/subject matter: Biology; environmental science. **Where are you from?** Brainerd, Minnesota. **How did you hear about Kwaj?** I heard about it from another teacher. **What do you think about Kwaj so far?** It's home to me already! It's a very beautiful island with plenty to do, and everybody is so respectful. **What are you looking forward to?** Meeting students and neighbors, learning more about the history of the islands, fishing, volleyball, scuba diving and marine biology!

KELLIE REED



Grade/subject matter: History and geography. **Where are you from?** Colorado. **How did you hear about Kwaj?** Through Jerry and Susan Davis, good friends of ours back in Colorado. **What do you think about Kwaj so far?** It's awesome! The people are all so warm and welcoming, and the natural beauty here is really incredible. **What are you looking forward to?** Learning how to dive and sail and getting to see the other islands on the atoll.

the back half of Gunga Din. Two days later Remick, Mitchell and I went into the water and visually confirmed the finding, closely followed by Kwaj residents Tim Roberge and Shannon Paulsen. Additional dives were done the next day by Remick, Roberge, Paulsen, Bill Williamson and me.

The finding of the back half of Gunga Din has the team in high spirits. Although it's not the section that is believed to contain Matson's remains, it does show that the team is hot on the trail of the front half of the plane.

Unfortunately, the discovery of the back half of the plane came at the very end of Remick's 2015 trip to Kwajalein and the project's use of his sonar gear. I really think that if we would have had just one more full day to tow the sonar gear, we would have found the front section of the plane. We only had time to search for about a square mile around the tail section of Gunga Din before Remick had to go back to the U.S. I think the front section of the plane lies just barely outside the area we were able to cover.

On the upside, though, we've had potential financial sponsors looking at us, and the fact that we found at least the back half of the plane has them excited. Hopefully, this will lead to some money flowing into the project soon so that we can buy our own sonar gear and other needed gear to continue the search. So far, there are good indications that this will, in fact, happen.

Besides the Kingfisher and Gunga Din, we're on the lookout for a second Coronado, a PB2Y-5R, which crashed just off Ebeye Feb. 12, 1945. The PB2Y-5R was a transport version of the Coronado series, and it was at the end of a long ferry flight that had originated in Honolulu the previous afternoon. When the plane crashed, the nose section forward of the wing was torn off. The remainder of the plane was towed to Ebeye, where it was subsequently cut up and disposed of in the lagoon. The

nose section, believed to contain the remains of both MIA's from this crash, has not yet been found.

Another of the MIA-related plane wrecks is a SOC-3A Seagull scout plane from the USS Minneapolis, which crashed east of Carlson Island Feb. 1, 1944. Both of the crewmen went down with the plane. The team is keeping an eye out for it, but the Seagull has not yet become the subject of a focused search.

Apart from the planes that went down in the south end of the lagoon, the team also plans to pursue four more MIA-related plane wrecks that went down in the lagoon at the north end of the atoll, somewhere off Roi-Namur. All four of them are SBD-5 Dauntless dive bombers. One went down Dec. 4, 1943 during a softening-up attack prior to the invasion the following month; there are two MIA's associated with that plane. The other three SBD's went down Feb. 1, 1944 following a mid-air collision involving all three



Kwajalein MIA Project team member gather for a group photo this month.

📷 Beth DeMaria

planes. The pilot of one SBD and the rear gunner of another SBD managed to bail out and survive. But the other two pilots and two rear-gunners went down with the planes. The collision took place at 7,500 feet, and all three planes fell into the lagoon.

Hopefully, the Kwajalein MIA Project will obtain the needed funding for equipment in the coming months for the purchase of the gear we need to continue the searches. If the team has to keep relying on outside support, finding these planes will take much, much longer, and might not even happen.

Once a MIA-related wreck site is discovered, the GPS coordinates and all available information is sent to the Defense POW/MIA Accounting Agency. The GPS coordinates remain a strictly guarded secret. Only after DPAA sends in a specially-trained team to recover any remains of the MIA's, and only when DPAA no longer considers a wreck a grave site, will the GPS coordinates be made public. Team members do not inspect the sites for human remains; that is left strictly to DPAA. The team has a motto: "Take only photos; leave bubbles."

The Kwajalein MIA Project is made up of 24 people with a variety of education, skills and talents, all of which are critical to the success of the project. Not all of the team members are not divers, but they perform vital functions such as helping with the sonar towing, fundraising coordination, research, communications and outreach and other functions. In addition, the team has experts in aviation, unexploded ordnance, archaeology and other knowledge bases that are essential to the overall success of the project. No one function is more important than another—it takes everyone to make the project work.

Openings in the team come up occasionally when members PCS. Those who would like to become members of the Kwajalein MIA Project should contact me, the team leader, for more information.



📷 from Jordan Vinson



The Kwajalein Hourglass



HOURLASS REPORTS

SEPTEMBER IS FALL PROTECTION MONTH

September is Fall Protection Month. With that in mind, here are some statistics regarding falls. Fall fatalities have no gender discrimination—men and women are equally divided in terms of the degree to which they are killed on and off the worksite due to falls.

- Falls account for more than 8 million hospital visits each year, making it by far the leading cause for hospital visits in the United States.
- In 2013 alone, 291 people in the construction industry died due to fatal falls. This amounts to more than 35 percent of all construction fatalities in the U.S. that year.
- Practically 100 percent of all falls are preventable!

How to ensure your safety when it comes to falls in the workplace.

- Plan ahead to get the task completed safely
Begin by "Taking 5" and deciding how the job will be done, what tasks will be involved and what safety equipment may be needed to complete each task. This means not using a chair to gain the elevation needed to change a light bulb or using a box as a step ladder.
- Provide the correct equipment
Workers who are six feet tall or greater and working at elevation are at risk for serious injury or death if they should fall. To protect these workers, employers must provide fall protection and the correct equipment needed for the job. This includes the appropriate types of ladders, scaffolds, safety harnesses and more.
- Train everyone to use the equipment
Falls can be prevented when workers understand how to properly set up equipment and use it safely on the job. They need training on the specific equipment they will use to complete the task at hand. Employers must train workers in hazard recognition and in the care and safe use of ladders, scaffolds, fall protection systems and other equipment they'll have on the job.

If all else fails, remember our covenant.

As part of the KRS team, we: COLLABORATE. Ask for and welcome help; offer and give it freely. Mutually resolve disagreements in good faith.

READY AND RESILIENT WELLNESS CALENDAR

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Spiritual Resilience. All welcome.	Circuit Training, 8 a.m., at Ivey Gym.	Cross Fit, 5:15 a.m., at the Adult Pool.	Circuit Training, 5 a.m., at Ivey Gym.	Cross Fit, 5:15 a.m., at Ivey Gym.	Circuit Training, 5 a.m., at Ivey Gym.	Cross Fit, 5:15 a.m., at Ivey Gym.
Smoking Cessation classes ongoing. Call 55362.	Pick-up racquetball, 8 a.m., at the CRC Gym.	Pick-up tennis, 5:30 p.m., at the tennis courts.	Grace Sherwood Story Time, 10 a.m., at the library.	Interval Training, 5:15 p.m., at intersection of Sprint and Ocean.	Pick-up ultimate Frisbee, 6 p.m., near the soccer fields.	Family Swim Time, 9:30 a.m., at the Family Pool.
	The Realist MMA (for youth grades 9-12), 11 a.m., at CRC Room 7			Pick-up tennis, 5:30 p.m., at the tennis courts.		Pick-up tennis, 5:30 p.m., at the tennis courts.
	Pick-up ultimate Frisbee, 4:30 p.m., near the soccer fields.			AA Program, 6:30 p.m., at the REB.		
	Pick-up soccer, 6 p.m., at Brandon Field.					

HELP WANTED

KRS and Chugach listings for on-Island jobs are posted at: Kwajalein, Roi-Namur and Ebeye Dock Security Checkpoint locations; outside the United Travel Office; in the Roi Terminal/Post Office; at Human Resources in Building 700 and on the USAG-KA webpage under Contractor Information>KRS>Human Resources>Job Opportunities. Job listings for off-island contract positions are available at

www.krsjv.com.

A number of positions are available in the Community Services group, including teachers, clubs supervisor, nurses and more. Please see Human Resources for the file of available on-island positions or www.krsjv.com for contract slots.

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

Executive Administrative Assistant (Full-time) Education: High School Diploma or equivalent Experience: Minimum of 5 years of progressive administrative experience or related field. Qualification: Experience with computer software e.g. MS Outlook, Word. Must perform technical writing & editing documents for widespread external consumption. Ability to obtain CAC Card & Network Access. Please submit your application to the HR Office, Bldg. 700.

FOR SALE

Yamaha Advantage YAS-2000AD Student Alto Saxophone, like new, \$525 or best offer. Call 54530.

PATIO SALE

7a.m.-1 p.m., Sept. 5, at Dome 150, Back Lanai.

LOST

Young girl's one-piece, bright multi-colored swimsuit. Left at the Youth Center Aug. 18 or 19. If found please call Dave at 52571 or 53717.

FOUND

Camera in the vicinity of the Surf Shack\DCCB Building on Aug 23. Call 50787 to describe and claim.

COMMUNITY NOTICES

Kwajalein Swim Team parent meeting. 6 p.m., Aug. 29, in the Coconut Room at the elementary school. Registration forms and other information will be provided. Payment expected at registration. Questions? Send email to kwajswimteam@hotmail.com.

Kwajalein Yacht Club monthly meeting. tonight at the Yacht Club. Meeting at 6:30 p.m. Dinner at 7 p.m. Bring a side dish to share. Guests are welcome. Questions? Contact Tim Cullen at yeoman@kwajyachtclub.com.

August Birthday Bash. 8 p.m., tonight, at the Ocean View Club. Join us in celebrating August birthdays! Drink specials and Top 40 hits. Must be 21 years of age or older and bring ID.

EOD Explosive Operation. 10:30 a.m.-Noon, Sept. 1, at the EOD facilities at the south-west end of Kwajalein. Please stay out of blocked-off area. Questions? Call 51433.

Come out to Bingo at the Vet's Hall Thursday. Card sales begin at 5:30 p.m.; Bingo begins at 6:30 p.m. Windfall completion at 27 numbers, \$2,000 payout; blackout completion at 59 numbers, \$3,400. Pay-out Packet price, \$25. No outside alcoholic beverages per-

RELIGIOUS SERVICES

Catholic

- 5:30 p.m., Saturday, Small Chapel
- 9:15 a.m., Sunday, Island Memorial Chapel
- Roi-Namur service, 4:45 p.m., second and fourth Friday of each month. Appointments with Fr. Vic available after dinner.

Protestant

- 11 a.m., Sunday, Island Memorial Chapel

Latter-day Saints

- 6:30 p.m., Friday, Roi Chapel
 - 10 a.m., Sunday, CRC Room 3
- Contact the chaplain's office at 53505 for more information.

Captain Louis S. Zamperini Dining Facility

*MENU CURRENT AS OF AUG. 28

Lunch

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Sept. 5
Boneless chicken	Memphis spare ribs	Fried chicken	Grilled cheese sand.	Picadillo cubano	Salisbury steak	Pizza
Nacho beef	Chicken cordeon bleu	Corn bread	Baked meatloaf	Jerk chicken	Fish du jour	Pasta cabonara
Spanish rice	Quiche Lorraine	Baked beans	BBQ chicken	Roasted potatoes	Chili dogs	Veggie medley

Dinner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Sept. 5
BBQ chicken	Sliced roast beef	Lasagna	Carved prime rib	Mongolian beef	Sloppy joes	Beef ragout
Beef stew	Spicy tofu	Chicken cacciatore	Garlic roast chicken	Chicken stir-fry	Citrus roast chicken	Corn bread
Mac and cheese	Mashed potatoes	Garlic bread	Scalloped potatoes	Parslied steamed potatoes	Fettucine aglio e olio	Egg noodles

mitted. Must be 21 to enter and play; bring your ID.

KRS Property Management's Equipment Custodian Training class. 9-11 a.m., Sept. 5, in the Public Works conference room, upstairs in Building 804. This training is required for all new KRS property custodians and available for supervisors. Other personnel may attend, if space permits. To register, call the KRS Property Management office at 53412.

The Great Kwaj Swap Meet. 5-7 p.m., Sept. 5, at Emon Beach. One complimentary table per household; \$10 for additional table. Pick up service provided; please ask for the pick-up when registering. No oversized items please. Call the CA office at 53331 to reserve your table.

All women are invited to come and enjoy fellowship, food, and fun at the Christian Women's Fellowship Luncheon at 12:30 p.m., Sept 6, at the REB. We are looking forward to seeing old friends and making new ones.

Loosen up those pipes and join us for Karaoke at 7:30 p.m., Sept. 6, at the Vet's Hall. Sing your heart out, and have some fun. Questions? Contact Jan Abrams or Mike Woundy.

Vendors wanted for the Sept. 7 Labor Day celebration at Emon Beach. Please call 53331 to sign up.

Would you like to be added to the CYSS Babysitter List? If you are between the ages of 13-18 or will be 13 within the next six months, please email Michelle Huwe at michelle.r.huwe.ctr@mail.mil or call 53610 to sign

up for the 4-H Babysitter Training Class. The training will take place 1-4 p.m., Sept. 19, and 3:30-6 p.m., Sept. 24. Registration ends September 15.

Boaters, Your vessels must be parked in their designated locations. Parking in the vicinity of the boat ramp is strictly prohibited. Trailer parking is allowable for day use only.

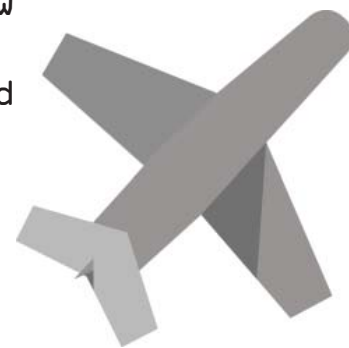
Storytime Volunteers Wanted. 10 a.m., Wednesdays, at the Grace Sherwood Library. Want to volunteer? Please call 53439. Kwaj SBM Notice. The fish cutting station is closed. Please observe the barriers and stay clear of the area. An alternate location has been set-up under the shower. Questions? Call Kim Yarnes.

Energy Conservation: get a bright idea. Use lights only when you need them. Turn lights off in unoccupied areas, including patio lights when you go to bed. Use energy-saving compact fluorescent lights (CFL). They last much longer, and you won't have to change them as often. Plus, they are FREE at Self Help.

E-Talk: While driving, if you notice a leak from your vehicle, immediately park out of the flow of traffic. Do not drive the vehicle further. In accordance with SPI 1530: "Reporting and Responding to Spill Events" contact 911 and give details.

Safely Speaking: September is Fall Prevention Month. A stool is not the tool for fall protection. The proper use of a ladder will reduce your risk of a fall.

Be sure to follow all road signs—especially around the airfield. Look both ways for incoming planes before proceeding.



Labor Day Celebration Monday, September 7, at Emon Beach. Come join us for the fun!

SCHEDULE OF EVENTS

2 p.m. Stand Up Paddle Board Race
4-7:30 p.m. Cash Bar and Food Sales
4-6 p.m. Tie Dye Fundraiser, Vendors, Inflatables, Craft, Games

MORE INFORMATION:

Stand Up Paddle Board Race: One-mile race for adults and 0.5-mile race for those under 16 years of age. Sign up on site and bring your own board! For questions, email: kmboards@yahoo.com.

Tie Dye Fundraiser: At Emon Beach, next to the main pavilion. Bring your own 100 percent cotton shirt (\$3) or buy one at the event (\$5); sizes are limited. Proceeds go toward the KHS Junior Class!

Café Roi							*MENU CURRENT AS OF AUG. 28
Lunch							
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Sept. 5	
Breaded pork chop	London broil	Beef tacos	Italian burger	Super bird sandwich	Pizza	Philly cheese steak sand.	
Chicken piccata	Sauteed fish	Chicken enchilada cass.	Bombay chicken	Cottage pie	Ziti	Roasted pork loin	
Ham and egg sand.	Mashed potatoes	Pinto beans	Brown rice pilaf	Onion rings	Cheesy garlic bread	Mac and cheese	
Dinner							
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Sept. 5	
Chicken florentine	Roasted chicken	Thai beef w/ veggies	Grilled top sirloin	Fried chicken	Greek Night	Sausage and peppers	
Beef pot pie	Short rib jardiniere	Chicken in peanut sauce	Chicken fajitas	Swedish meat balls	Pastitsio	Chicken alfredo	
Pasta w/ veggies	Mashed potatoes	Tofu stir-fry	Baked potatoes	Mashed potatoes	Greek herb chicken	Cheese tortellini	

DISPATCH FROM ROI



LARSEN, FROM PAGE 5

and Missile Defense Command and MDA and other customers utilize through the Reagan Test Site are compared to something like the top of a stool, the three supporting legs of that stool are the Marshallese people—who are the majority of the workforce on Roi and Kwaj—KRS and all the special contractors and workforce that they partner with to execute daily operations and range operations, and finally U.S. Army Garrison-Kwajalein Atoll. If those are the three legs that support the missions here, if at any time any one of those legs is degraded or loses its foundation, the stool becomes unstable; therefore, the critical missions that we're trying to execute in support of our national interests become unbalanced. It's a symbiotic relationship that exists between the three that, at all times, needs to maintain balance amongst each other through open communication, transparency, honesty, working as a team even though we all have different roles. Any time one of those starts to degrade, the mission suffers, and we can't have that. It's going to have an impact on our national interests, and those national interests have an impact on the security of the Marshall Islands through the Compact of Free Association. It's non-negotiable; we cannot suffer degradation in any one of those three legs.

From Jordan Vinson

	Sunrise Sunset	Moonrise Moonset	High Tide	Low Tide
Sunday	6:41 a.m. 6:59 p.m.	7:19 p.m. 6:42 a.m.	4:21 a.m. 5.1' 4:44 p.m. 4.6'	10:39 a.m. -1.2' 10:46 p.m. -1.0'
Monday	6:41 a.m. 6:58 p.m.	8:12 p.m. 7:41 a.m.	4:59 a.m. 5.2' 5:22 p.m. 4.7'	11:15 a.m. -1.2' 11:26 p.m. -1.0'
Tuesday	6:41 a.m. 6:58 p.m.	9:04 p.m. 8:40 a.m.	5:37 a.m. 5.0' 6 p.m. 4.7'	11:51 a.m. -1.1' -----
Wednesday	6:41 a.m. 6:57 p.m.	9:57 p.m. 9:38 a.m.	6:16 a.m. 4.6' 6:39 p.m. 4.5'	12:07 a.m. -0.8' 12:27 pm. -0.8'
Thursday	6:41 a.m. 6:57 p.m.	10:49 p.m. 10:36 a.m.	6:54 a.m. 4.1' 7:20 p.m. 4.1'	12:49 a.m. -0.4' 1:03 p.m. -0.3'
Friday	6:40 a.m. 6:56 p.m.	10:42 p.m. 11:33 a.m.	7:36 a.m. 3.4' 8:06 p.m. 3.7'	1:34 a.m. 0.1' 1:42 p.m. 0.2'
Sept. 5	6:40 a.m. 6:56 p.m.	----- 12:29 p.m.	8:25 a.m. 2.8' 9:09 p.m. 3.2'	2:29 a.m. 0.6' 2:28 p.m. 0.7'

WEATHER

Courtesy of RTS Weather

Day	Sky	Rain	Winds
Sunday	Partly Sunny	15%	WNW-W at 5-11 knots
Monday	Mostly Cloudy	30%	SW-WSW at 3-8 knots
Tuesday	Partly Sunny	20%	Light and variable
Wednesday	Partly Sunny	25%	WSW-W at 5-11 knots
Thursday	Partly Sunny	20%	WSW-W at 3-8 knots
Friday	Partly Sunny	15%	W-WNW at 3-8 knots

Yearly rainfall total: 94.70 inches

Yearly rainfall deviation: +44.58 inches

Call 54700 for updated forecasts or visit www.rts-wx.com.