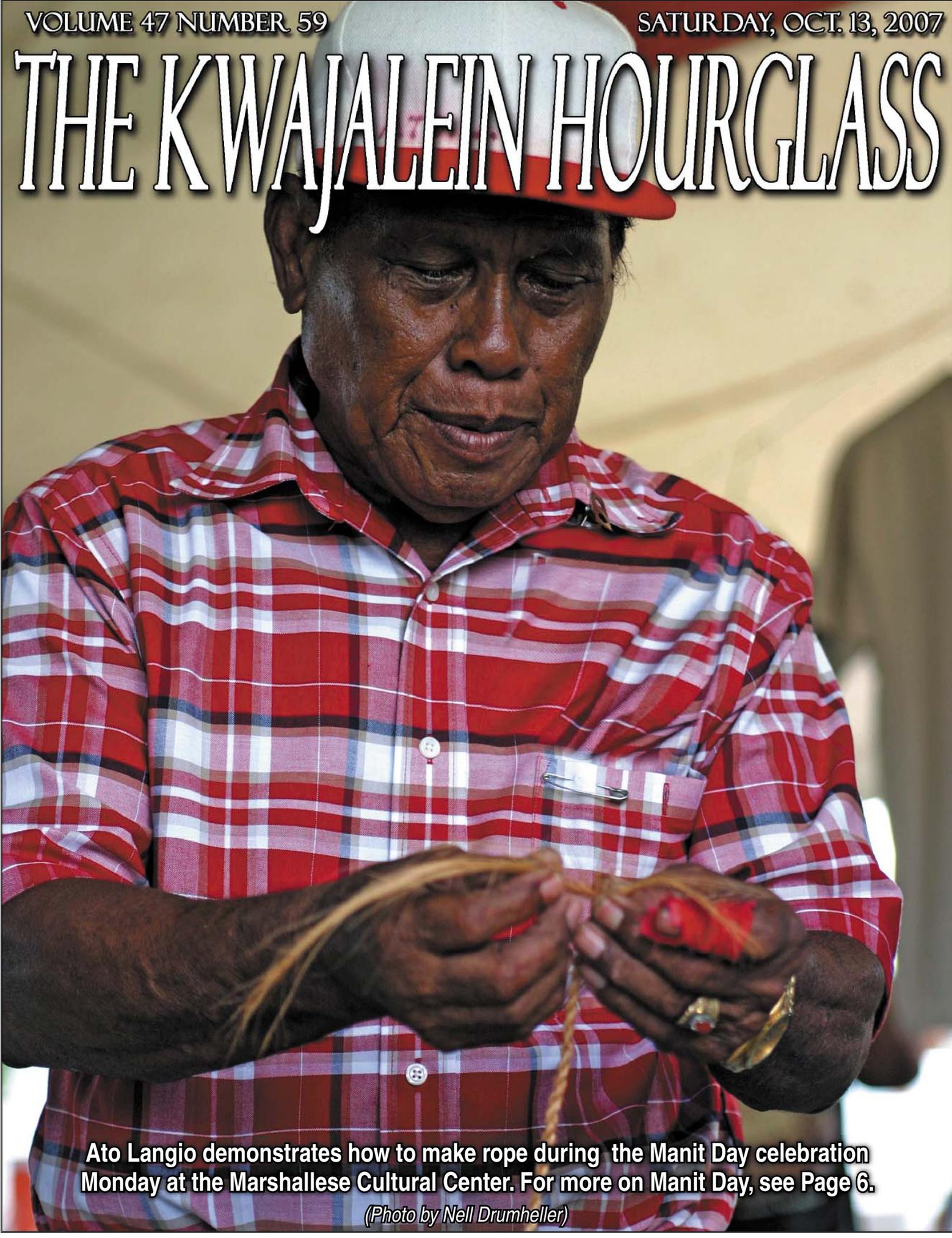


VOLUME 47 NUMBER 59

SATURDAY, OCT. 13, 2007

THE KWAJALEIN HOURGLASS



Ato Langio demonstrates how to make rope during the Manit Day celebration Monday at the Marshallese Cultural Center. For more on Manit Day, see Page 6.

(Photo by Nell Drumheller)

It's good World War II wasn't 'TV war'

I was very happy to hear of Ken Burns' documentary, *The War*.

It has gotten a lot of praise from World War II veterans who attended special screenings and thanked Burns for telling it like it really was.

No romance, no glory — just war in all the terror and carnage those veterans lived through.

Burns said in interviews that he decided to make the film when he heard about a survey that showed many American high school students think World War II was Americans and Germans fighting against the Russians.

In the documentary, Burns uses combat film and photos never seen before, much of it in color which brings the blood and butchery into stark reality.

Burns' use of the rare films and photos which depict the war as the horror it really was makes me wonder what would have happened if World War II had been a 'TV war.'

On the homefront back then, families had no idea where their husbands, fathers and sons were, or what battles they were in. The movie newsreels and radio delivered mostly 'good' news. Disasters were played down and American casualties were rarely shown in the newsreels.

What would have happened if TV

reporters and TV cameras had been there for some of the worst of the war?

• **The Dieppe raid.** In the spring of 1942, allied commanders wanted to test German defenses on the coast of France. Operation Rutter was mounted with 6,100 men, mostly Canadians, but also including British and a few Americans.

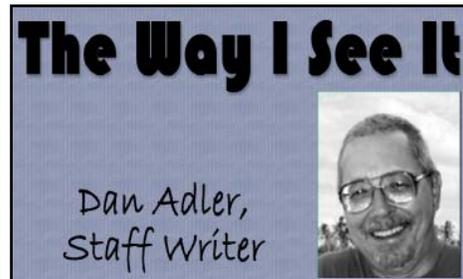
The plan was to raid the French port and destroy German coastal batteries. But the beach chosen was too narrow and overlooked by cliffs from which Germans were strongly positioned. There was no air cover or pre-landing bombardment. When the men came ashore they were slaughtered by heavy machine gun fire. The raid turned into a nightmare almost immediately.

Of the 6,100 men, only a little more than 2,000 got back to England.

Many mistakes were made in the operation, but the lessons learned at such high cost were put to use in the D-Day invasion to save lives. The men who died at Dieppe didn't die in vain.

But how would such a disaster have played on TV news?

• **Convoy PQ17.** In July of 1942, Lend-Lease material was being shipped to the Soviet Union from Eng-



land, Canada and the U.S in merchant convoys escorted by warships. One of those convoys was PQ17. The 35 merchant vessels, mostly American, assembled at Iceland.

Their destination was the Soviet port of Murmansk. They were escorted by a British force of four destroyers, four cruisers and ten corvettes.

During the voyage, it was discovered by the British Admiralty that the German warships *Tirpitz*, *Admiral Scheer* and *Admiral Hipper*, joined by U-boat wolf packs, were enroute to the convoy.

The British escort ships would be no match for the German vessels. It was decided that the escorting ships were too valuable to lose and they were ordered to abandon the convoy. The unarmed merchant ships were told to

See TV WAR, Page 8

Letter to the editor

Residents thank community for support in time of need

Our hearts are overflowing with gratitude to the Kwajalein community and it's support for us during our time of need. We want to publicly thank the emergency medical staff of Kwajalein hospital for their genuine care and expertise on our behalf. To our MIT family, thank you does not seem quite adequate. You have surrounded us with love and generosity and have made our hospi-

tal stay that much easier. And not least, we want to say thank you to our friends on Kwajalen. You have supported us with your prayers, kind e-mails and hospital visits. We are deeply touched by the unbelievable support from the entire community.

Komol tata.

— Sharon and Jeff Shultz.

THE KWAJALEIN HOURGLASS

E-mail: hourglass@usaka.smdc.army.mil

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Col. Stevenson Reed answers transition questions

U.S. Army Kwajalein Atoll Release

The U.S. Army Kwajalein Atoll continues to inform the community of transition issues.

Q. What is USAKA's transformation plan?

A. The transition plan is a systematic approach to transform and expand mission capabilities at the projected funding levels. The transformation, expected to be not later than fiscal year 2010, will be accomplished by installation of fiber optics cable system, enabling Reagan Test Site distributed operations and Huntsville (Ala.)-centric operations resulting in a reduced on-island footprint. Expanded capabilities and reduced operating costs will drive an increased customer base. The transition plan is USAKA's response to a decreased program object memorandum funding allocation received from the Army. The POM is the primary document used by the services to submit programming proposals. The POM includes an analysis of missions, objectives, alternative methods to accomplish objectives, and allocation of resources. The POM is implemented in two-year budget cycles. There is the possibility that actual funding could increase because of direct customer reimbursables.

Q. When will transformation occur?

A. The transition plan will continue to be an ongoing effort to expand USAKA's capabilities. The formal transition plan will be submitted for approval to the Space and Missile Defense Command Commanding General in mid November and Col. Stevenson Reed, USAKA commander, will address the USAKA community via a TV spot in late November with specific details on the approved plan. "Please understand that the planning for our transformation is occurring concurrently with the approval process," Reed said. "For example, our power reduction, AAFES initiatives, and Marine asset reorganization, in the tug and LCM reductions, while distant from the approved transition plan are in concert with our desired end state for transformation."

He added, "Reduction of the trailers on the island is also in keeping with our need to reduce facilities footprint which is also a major tenet of our transformation objectives."

The colonel said, "Once approved, the transition plan's budgetary objectives will be shared with our KRS [Kwajalein Range Services] partner and begin the transition process and execution of the plan in mid year FY 08 with continued progress through completion in FY11."

Q. What will USAKA look like after the transition has occurred?

A. "At this point I cannot share with you every detail of the proposed plan. I will however provide you with the overall boundaries of the plan," Reed said. The USAKA commander will remain on the island with commanding responsibilities. Missile Defense Agency is

in Huntsville; however, additional functions to expand capabilities will also exist in USAKA and Huntsville. Some RTS functions will move back to Huntsville in a phased approach. All of the essential features that characterize Kwajalein and Roi-Namur will be retained.

Q. How will Roi-Namur be impacted?

A. The facilities and instrumentation on Roi-Namur will continue to be the center of gravity for RTS. "We do see the Roi-Namur's population increasing as we approach our end state but not to such a degree to adversely impact the quality of life," Reed said.

Q. How will the transition be funded?

A. The entire transition plan will be within USAKA's budget. No outside funding is anticipated to implement the plan. However, USAKA will continue to work the budgeting process to maximize our business plan, resources, and opportunities. This will require USAKA and KRS to provide innovated solutions to difficult problems. "Transition will bring change and in short term some of the changes will need to be embraced by the community," Reed said. "The end state once achieved will result in an operation that is efficient and flexible to meeting our long term mission goals. Increased capability will be realized over the long term to provide better products and increase

Sept. 15	Integrated Process Teams formed
Oct. 6	Release of information concerning Yokwe Yuk Club closure and trailer disposal
Friday	Col. Reed was on the radio
Thursday	Completion of IPT work developing project tasks and times for transition task
Yuk Club closes	Oct. 31
Oct. 31	Transition proposal read ahead provided to SMDC CG
Nov. 7-14	Reed briefs SMDC CG on transition plan
Nov. 27	Reed talks about transition on <i>Window on the Atoll</i>
Early December	Reed conducts community town hall meetings on Kwajalein and Roi
Late December	Briefs to American Embassy and Departments of Interior and State

our customer base." USAKA and SMDC have identified target areas to implement identified savings initiatives. "Bottom line - the plan is doable and I am excited to begin the implementation of the plan in the coming months," he added.

Q. How will transfor-
See ANSWERS, Page 4

mation affect the island's population?

A. Specifics at this time are not possible. Many RTS functions will move back to Huntsville in a phased approach and a drawdown the island population. "Keep in focus that this will enable us to provide better service to our customers and keep USAKA relevant in the Army's overall objectives," Reed said. "Our facility footprint will be smaller."

Q. What are a few of the key objectives?

A. RTS mission capabilities must be preserved, improved customer satisfaction and reduced overall operational cost and the installation of the fiber cable system. "We must operate within current estimated FY08-13 total funding," he said.

Q. Will transition affect the KRS contract?

A. KRS will be USAKA's partner in transitioning to the desired end state, USAKA will modify the Performance Work Statement to match requirements through the USAKA Contracts office, including some PWS changes already in the approval cycle.

Q. What facilities will be provided to accommodate the phased

move to Huntsville?

A. "We are working with Redstone Arsenal in Huntsville, Ala. to determine if existing facilities are available on the installation," Reed said. "If this does not work out for us, we will look at leasing the necessary space to allow us to execute the transition timeline."

Q. Will families still live on Kwajalein after the transition plan is implemented?

A. The current transition planning allows for accompanied status for limited numbers personnel. All of the essential features that characterize Kwajalein and Roi-Namur will be retained but there will be changes. "That said, we will still rely on our valued unaccompanied personnel to be the main contributors towards our mission," Reed said.

"I will ask you to work with us as we partner together to achieve this necessary transition," he continued. "Change is going to happen but it is not always negative. I envision more customers, better service, and increased capability



The facilities and instrumentation on Roi-Namur will continue to be the center of gravity at RTS.

for USAKA. Our transformation will offer ballistic missile defense systems better capabilities for the DOD [Department of Defense]. Our capabilities are unique and USAKA is the only organization capable of providing the services our customers require for successful RTS missions. We will continue to be a world class organization."

He concluded, "A good positive attitude towards change will be essential in keeping this to be a great community to work in and live."

Rumor Mill gets facts on bachelor quarters smoking

Hourglass reports

One of the first rumors received in the *Rumor Mill* was that there was going to be no smoking allowed in any of the bachelor quarters. *The Hourglass* checked this rumor with Bill Lescalleet, Kwajalein Range Services Housing superintendent, and discovered that it is true. According to Lescalleet, "Effective Nov. 1 all bachelor quarters will become non-smoking units per the recent revision of the U.S. Army Kwajalein Atoll Regulation 210-50, Section 6.e. This means no smoking inside buildings, on balconies or within 50 feet of any entrance." Since many current residents of the non-smokings BQs have complained that smoking occurs in the building anyway, *The Hourglass* was able to get a copy of



the new USAKA regulation to see what it had to say. The regulation covers enforcement, providing for progressive actions ranging from a warning for a first violation, up to a bar from the island for repeat offenders. The new regulation was signed on Oct. 1. If interested, you can find it in KARDS under Compliance Documents/ USAKA and Army Policies and Regulation.

KRS Deputy Site Manager Tony Veirup said, "KRS is obligated to comply with the new USAKA requirements. As you know, we are concerned about the health, welfare and safety of all the residents of Kwajalein and Roi-Namur. We must ensure that we are providing a comfortable living environment for all residents."

For more information, call Lescalleet at 53201.

Gates visits Moscow for talks with top Russian leaders

By Linda D. Kozaryn
American Forces Press Service

Defense Secretary Robert M. Gates arrived in Moscow Tuesday to join Secretary of State Condoleezza Rice in meetings with top Russian leaders.

Gates left Washington Monday evening, stopping first in London for several hours to meet with British Prime Gordon Brown and Secretary of State for Defense Desmond Brown. The U.S. and British leaders primarily addressed ongoing operations in Iraq and Afghanistan.

During his two-day visit to Moscow, Gates was scheduled to meet with Russian President Vladimir Putin, Defense Minister Anatoliy Eduardovich Serdyukov and other top Russian officials. He also was slated to attend a dinner hosted by First Deputy Premier Sergey Borisovich Ivanov.

Along with discussing ongoing operations in Iraq and developments in Iran, a senior U.S. defense official traveling with Gates said Gates and the Russian leaders most likely will discuss European missile defense and the Conventional Armed Forces in Europe Treaty.

Putin has voiced opposition to the U.S. plans for missile defense and reportedly may suspend his country's participation in the treaty Dec. 12 if the United States goes forward with its plans.

There is no provision for suspension of the treaty, the senior official told reporters traveling with the secretary. "It's either full compliance or withdraw. The Russians have defined a term of 'suspension' basing it on their legal analysis that if under an international agreement

that you can withdraw then there's a half measure you can suspend."

If the Russians decide to suspend CFE, he said, Russia would no longer have to supply information on its number of tanks or other conventional armaments. An inspection regime under the treaty that allows any signatory country to see if another country is honoring its commitment would no longer exist. Russia also would be able to reallocate forces anywhere within its territory.

"It could move forces into the northern Caucasuses, closer to Georgia," the official said. "It could also move forces into closer to Poland and the Belarus area."

If Russia was to withdraw from the treaty, he said, the other signatories, the Europeans and the United States could do the same. But the other signatories "will continue to honor the CFE regardless of Russian withdrawal," the official said.

The United States started laying out plans for a missile defense system for Europe in January. President Bush decided to begin discussions on plans to field radar and interceptors in Eastern Europe that would extend the zone of coverage for the potential long-range missile threat from Iran or others in the region. NATO's missile defense program covers most of Europe for short- and medium-range systems.

"The two locations we chose — the Czech Republic and Poland — are based on some pretty lengthy



U.S. Defense Secretary Robert M. Gates walks with U.S. Ambassador to Russia William Burns shortly after his arrival in Moscow Tuesday evening. (Defense Department photo by U.S. Air Force Tech. Sgt. Jerry Morrison)

studies, and those are the most optimal places for the positioning of interceptors and the radar in order to be able to get as much coverage of Europe as possible," the senior defense official said.

In April, Gates traveled to the Czech Republic and Poland to discuss the plans. Officials in both nations have made it clear they are integral parts of the current plan, the official said.

Gates also discussed the plans with Putin in April, and U.S. officials presented suggestions on how the U.S. and Russia could cooperate on missile defense. Since then, U.S. and Russian experts have met in Washington, Paris and Moscow to discuss details of the plans, the official said.

"The Russians still have not formally responded to the proposals we put on the table in April about different opportunities for joint data exchange, technology sharing, joint experimentation," he said.

U.S. officials also have offered to provide data from radar equipment in Greenland, Poland or the Czech Republic, the official said. U.S. officials also are open

to sharing early-warning information and threat analysis. "We're open to any possibility," he noted.

"The Russians have made it clear that any data that would be shared from their end would come from either Azerbaijan or new radar they are establishing," he said. "The radar feed could not be linked into our system. It would be early-warning radar that would be linked into a joint data center, but not part of our missile defense system."

A proposal to establish a joint data exchange center also has been on the table for 10 years, the official said. Each country would be able to share data so that if there were an accidental launch by any of the countries with ballistic missiles, they'd be able to track it and they'd be able to determine if it were an accidental launch or an attack.

"U.S. officials are open to a variety of different ways to use the data," the official said. "The Russians have made it clear that as long as we continue with the Czech Republic and Poland, integration from their system is not an option."

Celebrating culture



Henretha Patrick demonstrates weaving during the Manit Day celebration Monday.

(Photos by Nell Drumheller)



Ato Langio, left, and CJ Kemem give a demonstration on making fire.

Annual Manit Day held Monday

By Nell Drumheller
Editor

Manit is the Marshallese word for culture or tradition.

On Monday, members of the Kwajalein community had the opportunity to spend the day learning about many of the things that are unique to the Marshallese culture thanks to the Manit Day presentation provided by Marshallese subject matter experts.

Manit Day is a national holiday in the Marshall Islands. "It's a holiday that celebrates traditional Marshallese culture," Cris Lindborg, director of the Marshallese Culture Center and coordinator for the Manit Day celebrations said.

There were displays and hands-on demonstrations at Monday's event, including weaving, rope making, fire starting, husking coconuts, traditional fishing and use of plants in traditional healing.

"It's a way to bring both communities together, and obviously for those of us who live here, to learn a little bit more about Marshallese traditions," Lindborg said. Students from Kwajalein schools participated in this year's events.

"You're in their country, so it's almost a sign of courtesy or interest to learn a little bit more," Lindborg said, describing the event. "And a lot of the people here are working with Marshallese, so to be able to talk to them and understand more about

"I always find the Marshallese very warm and very receptive, so it's always a real comfort to have that kind of personal relationship with them. Because they're so generous, and friendly and peaceful, and I always enjoy that, just being around them."

— **Cris Lindborg, Marshallese Cultural Center director**

what they're struggling with and what makes them happy....and then I always find the Marshallese very warm and very receptive, so it's always a real comfort to have that kind of personal relationship with them. Because they're so generous, and friendly and peaceful, and I always enjoy that, just being around them."

Lindborg added, "There's always something new to learn. Whatever we do is motivated by our excitement in trying to find something new, like researching about fishing, or researching about traditional medicine, or the cooking, you know, I'm always finding things that I didn't know."

The event was held in front of the Marshallese Cultural Center. The center is open from 4 to 6 p.m. on Mondays and 3 to 5 p.m., Fridays. It is closed the rest of the week. For more information, call 59021.

Seven servicemembers die in Global War on Terror

Petty Officer Third Class Mark R. Cannon, 31, of Lubbock, Texas died Oct. 2 while conducting combat operations in Kunar Province, Afghanistan. Cannon was a hospital corpsman assigned to 3rd Marine Regiment, 3rd Marine Division, III Marine Expeditionary Force, Marine Corps Base, Hawaii.

Spc. Vincent G. Kamka, 23, of Everett, Wash., died Oct. 4 in Bayji, Iraq. He was assigned to the 1st Battalion, 505th Parachute Infantry Regiment, 3rd Brigade

Combat Team, 82nd Airborne Division, Fort Bragg, N.C.

Seaman Apprentice Shayna Ann Schnell, 19, of Tell City, Ind., died Oct. 5 as a result of injuries suffered from a vehicle accident. Schnell was serving as a master-at-arms assigned to Naval Security Force Bahrain, Jebel Ali Detachment, United Arab Emirates.

Spc. Rachael L. Hugo, 24, of Madison, Wis., died Oct. 5 in Bayji, Iraq of wounds sustained when insurgents attacked her

unit using an improvised explosive device and small arms fire. She was assigned to the 303rd Military Police Company, 97th Military Police Battalion, 89th Military Police Brigade, U.S. Army Reserve, Jackson, Mich.

Two Soldiers died Oct. 5 in Baghdad of wounds sustained when an improvised explosive device detonated near their unit during combat operations. They were assigned to the 3rd Squadron, 2nd Stryker Cavalry Regiment, in Vilseck, Germany. Killed

were: **Sgt. Joseph B. Milledge**, 23, of Pointblank, Texas, and **Spc. Jason N. Marchand**, 26, of Greenwood, W. Va.

Spc. Adam D. Quinn, 22, of Orange City, Fla., died Oct. 6 at Forward Operating Base Phoenix, near Bagram, Afghanistan of wounds sustained when an improvised explosive device detonated near his vehicle. He was assigned to Headquarters and Headquarters Company, 82nd Airborne Division, Fort Bragg.

TV WAR, from Page 2

scatter as best they could.

The Germans caught up with them and out of 35 vessels, only 11 made it to Murmansk. The loss was 24 ships, hundreds of merchant seamen and billions of dollars worth of equipment.

It remains one of the most shameful episodes of the war.

How would British warships running away and leaving the convoy and those sailors to their tragic fate look in the news today? But back then, the convoys just continued.

• **Operation Market Garden.** The plan, cooked up by British Field Marshal Bernard Montgomery in September of 1944, was to drop 35,000 British, American and Polish paratroopers behind German lines in Holland to seize and hold bridges. Over those bridges, British tank and infantry columns would travel deep into German-held territory, bypass the Siegfried Line and drive into Germany itself. Montgomery insisted that it would end the war by Christmas of 1944. Gen. Dwight D. Eisenhower, Supreme Allied commander, thought the plan was very risky, but bending to politics at the time, he approved it.

The bridge at the city of Arnhem in Holland was the farthest of the bridges. It was 64 miles from the jumping off point of the British tank column. The 10,000 British paratroopers who landed there were told they would have to hold the bridge for two days before the tank column would arrive.

As it turned out, relief never came as delays and unexpectedly heavy German resistance that Montgomery didn't count on, kept the tanks and infantry from reaching Arnhem. The paratroopers held the bridge for ten days in some of the fiercest fighting of the war.

Of the 10,000 British who parachuted into Arnhem, less than 3,000 got out. The American 101st and 82nd Airborne

Divisions also suffered heavy casualties capturing their assigned bridges.

The operation turned into a costly fiasco that actually extended the length of the war instead of shortening it.

These days, Eisenhower would no doubt be grilled by a congressional committee to tell them what went wrong and why he had approved such a foolhardy plan. But back then, the war just went on.

• **The Battle of the Bulge.** In December of 1944, the allies had advanced close to Germany. In parts of Belgium and Luxembourg the American front was very lightly held.

But Eisenhower wasn't worried about his thin lines. He, like most of his commanders, thought the Germans lacked the manpower and equipment to mount any serious threat. He was wrong.

On Dec. 16, 1944, in fog, sub-zero weather, and thick snow, a massive German attack collapsed the thin front. The Americans were pushed back for miles creating the 'bulge' in their lines. The battle raged for 40 days. There were 81,000 American casualties.

Eisenhower, along with his staff and intelligence officers, had been caught totally by surprise. What would news programs, congress and the public say about such a thing today?

• **The Hurtgen Forest.** In the late fall of 1944, American troops reached the border of Germany just south of the heavily defended city of Aachen.

The Hurtgen Forest covered 50 square miles with dense 100-foot tall pines. It was dark and gloomy even in daylight. In the thickly wooded forest, American air power and artillery would count for nothing.

The temperature fell to sub-zero with snow on the ground and trees full of ice. Troops couldn't see more than a

few feet in the dense woods and maps were useless.

The Germans fired artillery and mortar shells set to explode at treetop level. The trees shattered in the explosions and razor-sharp shards of wood, ice and shrapnel rained down on the Americans. There was no place to seek cover. The only way to try to survive was to hug closely to a tree hoping to avoid the deadly projectiles. The deeper they moved into the forest, the worse it got. Mines were everywhere.

On one particular bad day, 3,000 men were lost gaining 1,000 yards of ground. The losses were so great that one of the units involved, the 28th Infantry Division, almost ceased to exist. At one stage of the battle, every officer in every rifle company had been killed.

Finally, after 70 days of fighting, the far edge of the forest was reached on Nov. 27 and the attack on the town of Hurtgen began. House-to-house fighting left the dead piled in heaps.

The Americans were sick, cold and exhausted. Many had frostbite and trench foot. They had not slept in days. For almost three months they had not shaved, taken a shower, eaten a hot meal or changed their clothes.

But it was not over.

On Dec. 6, the worn out troops were ordered to attack the hills beyond the town. It was a slaughter as the Germans fired 88s and mortars down on them.

The sick, tired, haggard men retreated, fixed bayonets and attacked the hills again. Hand-to-hand fighting raged and German counterattacks were beaten back. Some of the American units suffered 90 percent casualties.

A few American staff officers argued before the battle that the Hurtgen Forest and Aachen should be bypassed.

See TV WAR, Page 12

HELP WANTED

KRS has the following job openings. For contract hire positions, call Sheri Hendrix, 256-890-8710. For all others, call Carolyn Veirup, 51300. Full job descriptions and requirements for contract openings are located online at www.krsjv.com. Job descriptions for other openings are located at Human Resources, Building 700.

NEED EXTRA money? KRS employment applications are continually accepted for all Community Services departments and the Human Resources temporary pool for casual positions. Some examples of these positions are: sport officials, scorekeepers, delivery drivers, lifeguards, catering/dining room workers, medical office receptionists, temporary office support, etc. For more information, call the KRS HR Office at 54916.

ON ISLAND HIRES

AC&R TECHNICIANS I, full-time, Kwaj Ops., HR Reqs. K050009 and K050010

AUTO BODY TECHNICIAN I, full-time position, Automotive, HR Req. K050069

CARPENTER II, full-time, Kwaj Ops, HR Req. K050158

CARPENTER III, full-time, Kwaj Ops, HR Req. K050047

CASHIER, full-time, Roi Gimbel's, HR Req. K050086. Enniburr residents, please apply with Annemarie Jones.

CUSTODIAN II, full-time, Kwaj Ops Custodial, HR Req. K050156

EXECUTIVE ADMINISTRATIVE ASSISTANT, full-time, Logistics, HR Req. K050276

GENERAL MAINTENANCE I, full-time, Marine Department, HR Req. K050160

HEAVY EQUIPMENT OPERATOR II, full-time, Meck Operations, HR Req. K050150

HEAVY EQUIPMENT OPERATOR II, full-time, Kwaj Ops., HR Req. K050038

HEAVY EQUIPMENT OPERATOR IV, full-time, Solid Waste, HR Req. K050155

INCINERATOR OPERATOR III, full-time position, Solid Waste Mgmt., HR Req. K050112

INCINERATOR OPERATOR III, full-time position, Meck Operations, HR Req. K050144

JANITOR, Food Services, full-time position, HR Req. K050242

LAB PRODUCTION CONTROL SPECIALIST, full-time, Mission Calibration Lab, HR Req. K050249

MECHANIC I, two full-time positions, Automotive Services, HR Reqs. K050124 and K050157

MECHANIC II, full-time, Roi Power Plant, HR Req. K050183

MECHANIC – SCOOTER SHOP II, two full-time positions, Automotive. HR Reqs. K031360 and K050168

PLUMBER/PIPEFITTER II, full-time, Utilities, HR Req. K050040

PRODUCTION CONTROL CLERK, full-time position, Automotive. HR Req. K050167

RAMP WORKER I, full-time position, Airfield Ops, HR Req. K050251

RECREATION AIDE II, full-time, Community Activities, HR Req. K050164

RETAIL ASSOCIATE IV, full time, Gimbel's, HR Req. K050182

SAFETY TECHNICIAN II, full-time, Kwaj Ops., HR Req. K050046

SHEETMETAL WORKER II, full-time, Kwaj Ops., HR Req. K050011

STYLIST, casual position, HR Req. K050275

SUBSTITUTE TEACHERS, Education Department, HR. Req. K031285

SUPERVISOR, Hazardous Waste, full-time position, HR Req. K050246

Religious Services

Catholic

Saturday Mass, 5:30 p.m., in the small chapel.
Sunday Mass, 9:15 a.m., in the main chapel.
Mass on Roi is at 12:30 p.m., in Roi chapel.

Protestant

Sunday
8 and 10:45 a.m., on Kwaj and Roi-Namur service at 4 p.m.
Sunday school for all ages is at 9:15 a.m.

Latter-Day Saints

10 a.m., Sunday, in
Corlett Recreation Center, Room 3.

Baptist

9:40 a.m., Sunday, in elementary school music room.

Church of Christ

10 a.m., Sunday,
in Quarters 442-A.

TOOL ROOM ATTENDANT I, full-time position, Roi Operations, HR Req. K050137

TOOL ROOM ATTENDANT, Automotive Services, full-time, HR Req. K050255

TRAFFIC AGENT I, part-time, Airfield Ops, HR Req. K050181

TRAFFIC AGENT, full-time position, Airfield Ops, HR Req. K050250

WAREHOUSE RECEIVING AND RECORDS CLERK, full-time, Property Management, HR Req. K050153

CONTRACT HIRES

(A) accompanied (U) unaccompanied

Even numbered requisitions=CMSI

Odd numbered requisitions=KRS

AC & R TECHNICIAN II, HR Req. 031378 U

BUYER II, HR Req. 031837 Richmond, Calif. U

CALIBRATION TECHNICIAN III, HR Reqs. 031865 and

Lunch

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Oct. 20
Round of beef	Pork chops	Beef Stroganoff	Sezchuan pork	Swiss steak	Kalua pork	Keoki's pot roast
Seafood Newburg	Herb-roasted chicken	Chicken piccata	Chicken katsu	Chicken/peapod stir-fry	Cheesburger mac	Pepperoni/veggie pizza
Breaded chicken breast	Three-cheese quiche	Broccoli and rice	Thai shrimp	Tuna casserole	Baked cod	Tofu/broccoli stir-fry
Grill: Brunch station open	Grill: Brunch station open	Grill: French dip	Grill: Teriyaki burger	Grill: Sicilian hoagies	Grill: Tostada bar	Grill: Ranchero burger

Dinner

Tonight	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Minute steak	Cantonese pork	Hamburger steak	Kwaj fried chicken	Broiled rib eye steak	Hawaiian ham steak	Spaghetti
Marinated salmon	Baked tandouri chicken	Penne pasta cacciatore	Ono almondine	Honey mustard chicken	Breaded chicken wings	Tortellini carbonara
Vegetarian beans	Eggplant Parmesan	Turkey peapod stir-fry	Hawaiian chopped steak	Chef's choice	Brunswick stew	Herb roasted chicken

Café Pacific

Lunch

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Oct. 20
Arroz con pollo	Hawaiian chopped steak	Braised Swiss steak	Penne pasta	Pork carnitas	Stuffed cabbage	Pork chili rejoy
New England pot roast	Mahi misoyaki	Tuna casserole	Cheese manicotti	Beef tacos	Chicken divan	Coconut chicken
French toast casserole	Italian frittata	Grilled herb grit cakes	Chicken Parmesan	Cowboy's fried squash	Chili mac	Black beans/rice
Grill: Brunch station open	Grill: Brunch station open	Grill: Chicken sandwich	Grill: Mushroom burger	Grill: Quesadillas	Grill: French dip	Grill: Barbecued burrito

Dinner

Tonight	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Corn beef/cabbage	Grilled lamb/veggies	Spaghetti	Spiced ham loaf	Grilled sirloin steaks	Chicken katsu	Roasted chicken
Cornish game hens	Cantonese pork	Beef piccata	Fried chicken	Greek lemon chicken	Thai pork and rice	Wild rice and beef
Chef's choice	Blakened salmon	Eggplant and chicken	Broccoli au gratin	Veggie of the day	Thai shrimp pasta	Baked pasta

Café Roi



SIX SIGMA
PERFORMANCE-BASED LEADERSHIP

Hardware Development Process Improvement Project for Mission Ops: A Six Sigma team evaluated the time for engineering change proposals to better meet the customer's expectations. Process improvements were made in the planning and monitoring phases to reduce the number of ECPs delivered late from greater than 50 percent to less than 25 percent and redesign efforts were reduced to zero. This resulted in \$83,000 in soft savings.

031913 U
CAPTAIN, 100T, HR. Req. 031392 U
CARPENTER II, III, IV; HR. Reqs. 031348, 031346, 031350 and 031442 U
CDC/SAS ASSISTANT DIRECTOR/INSTRUCTOR LEAD HR Req. 031847 U
CERTIFIED TEACHER, HR Reqs. 031747, 0313813 and 031929 U
CHIEF ENGINEER, HR. Req. 031438 U
COMMUNICATIONS TECHNICIAN II, III, HR Reqs. 031941, 031803, 031883 and 031885 U
CONTRACTS PURCHASES SPECIALIST, HR. Req. 031851 U
CYS TECHNOLOGY LAB LEAD, HR Req. 031851 U
DATABASE ADMINISTRATOR III, HR Req. 031767 A
DESIGNER/PLANNER IV, HR Req. 031308 U
DRAFTER II, HR Req. 031396 U
DRAFTSMAN III HR Req. 031873 U
DRIVER II, HR. Req. 031905 Honolulu
ELECTRICIAN II, HR Req. 031224 U
ELECTRICIAN III, HR Reqs. 031224, 031210, 031330, 031332, 031370, 031372, 031408, 031412 and 031452 U
ELECTRICIAN IV, HR Reqs. 031302, 031304, 031380 and 031414 U
ELECTRICIAN LEAD, HR Req. 031448 U
ELECTRONICS TECHNICIAN I, II, III, HR Reqs. 031719, 031743, 031383 and 031593 U
ELEMENTARY SCHOOL GUIDANCE COUNSELOR, HR Req. 031907 A
ENGINEER, HR Req. 031436 U
FACILITIES ENGINEER IV, HR Req. 031240 A
FIELD ENGINEER, HR Req. 031729 U
FIELD ENGINEER II, HR Req. 031753 A
FIRE INSPECTOR, HR Req. 031426 U
FIRE SYSTEMS TECHNICIAN III, HR Req. 031428 U
FIREFIGHTER, HR Reqs. 031268, 031270, 031312, 031316, 031318, 031368, 031430 and 031450 U
FIREFIGHTER/EMT, HR Reqs. 031278 and 031388 U
HARDWARE ENGINEER II, III, HR Reqs. 031733 and 031897 A
HOMEWORK CENTER LEAD, HR Req. 031835 U
HOUSING INSPECT/EST/MAINT SPECIALIST, HR

Req. 030390 U
HUMAN RESOURCE MANAGER, HR Req. 031873 U
IT PROJECT PLANNER II, HR Req. 031887 A
KWAJALEIN POWER PLANT, MECHANICAL LEAD, HR Req. 031374 A
LEAD FIRE INSPECTOR, HR Req. 031424 U
LEAD WELDER, HR Req. 031198 U
MAINTENANCE SPECIALIST, MECK, HR Req. 031386 U
MANAGEMENT & STANDARDS ANALYST III, HR Req. 031290 U
MANAGER, ENGINEERING & PLANNING, HR Req. 031262 A
MASONRY III, HR Req. 031336 U
MATERIAL DISPOSAL SPECIALIST, HR Req. 031911 U
MECHANIC III, IV, HR Reqs. 031418, 031432, 031246 and 031434 U
MECK POWER PLANT MECHANIC III, HR Req. 031286
MISSION PLANNER III, HUNTSVILLE, HR Req. 031757
MISSION TECHNICAL DIRECTOR, HR Req. 031799 A
MMW OPERATIONS DIRECTOR, HR Req. 031945 U
NETWORK ENGINEER III-MO, HR Req. 031227 A
OPERATOR, SPACE SURVEILLANCE, HR Req. 031697 U
PAINTER III, HR Req. 031366 U
PHYSICIAN, SURGEON, HR Req. 031449 A
PLANT TECHNICIAN II, III, HR Reqs. 031947 and 031949 U
PLUMBER PIPEFITTER III, HR Req. 031354 U
PRODUCTION CONTROL CLERK III, HR Req. 031420 U
PROGRAMMER/ ANALYST-Payroll Support, HR Req. 031349 U
PROGRAMMER/ ANALYST-SUPPLY and MAINT, HR Req. 031841 A
PROJECT CONTROLS ENGINEER III, HR Req. 031252 U
PROJECT PLANNER II, HR Req. 031296 A
PROJECT PLANNER III, HR Req. 031843 A
PROPERTY SPECIALIST I, HR Req. 031875 U
PUBLIC INTERNET SYSTEMS ADMINISTRATOR, HR Req. 031763 U
RADAR TECHNICIAN II, III, HR Req. 031717 U
REGISTERED NURSE, HR Req. 031871 U
RMI EMPLOYEE RELATIONS MANAGER, HR Req. 031899 A
ROI-NAMUR POWER PLANT, ELECTRICIAN II, HR Req. 031220 U
SAFETY ENGINEER, HR Req. 031891 A
SECURITY SPECIALIST, III, HR Req. 031893 A
SENIOR DOCUMENT CONTROLLER, HR Req. 031985 U
SERVER ADMINISTRATOR III, HR Req. 031819 A
SHEET METAL WORKER III, HR Reqs. 031446 and 031422 U

SIX SIGMA BLACK BELT, HR Req. 031817 A
SOFTWARE ENGINEER IV, HR Req. 031751 A
SPACE SURVEILLANCE OPERATOR, HR Reqs. 031619, 031915 and 031903 U
SR FLIGHT SAFETY RF FIELD ENGINEER, HR Req. 031627 U
SR PROJECT CONTROLS SUPERVISOR, HR Req. 031745 A
STYLIST, HR Req. 031823 U
SUPERVISOR, HAZARDOUS WASTE, HR Req. 031400 A
SUPERVISOR, CONFIGURATION AND DATA MANAGEMENT, HR Req. 031821 A
SUPERVISOR, BODY SHOP/LT VEH MAINT, HR Req. 031196 A
SUPERVISOR, PURCHASING HR Req. 031923 Richmond, Calif.
SUPERVISOR SECURITY, HR Req. 031937 U
SYSTEMS ENGINEER III and IV, HR. Reqs. 031909, 031939, 031797 and 031749 A
WAREHOUSEMEN LEAD, HR Reqs. 031360, 031398 and 031416 U
WELDER IV, HR Req. 031444 U

LOST

TANZANITE EARRING in the vicinity of Sprint Loop between Quarters 209 and the Child Development Center. Call 52389 or 54877.

FOUND

DIVE BAG outside Palm Bachelor Quarters. Call 55959.

SUN NEXUS 4 bike with single-speed rim, no registration tag. Call 54404 or 51668.

CASH AT CORAL SANDS. Call Lora, 54186.

BLACK DIVE BAG with regulator and dive gear at the Yacht Club.

PATIO SALES

MONDAY, 7-11 a.m., Quarters 138-F. T-shirts, Christmas decorations, collector Barbie doll, kitchenwares, party dishes, full-size comforter, everyday dishes and buffet plate holder. Rain cancels.

MONDAY, 8 a.m.-1 p.m., Trailer 617. PCS sale.

FOR SALE

GAS GRILL; dishwasher; coffee table; bagless vacuum cleaner; Epsom ink jet printer; Sony TV, 36-inch, \$750; plants and yard supplies, see at Qtrs. 439-A, \$200 takes all. Call 51713.

BABY STUFF: High chair, \$30; three-way infant bathtub, \$20; tub safety seat, \$10; crib mobile, \$8; infant rear-facing car seat, \$35; clothes/shoes size 0-24months, \$1-5 each; bibs and infant toys 50 cents-\$2 each. Call Angela, 58123.

TOSHIBA TV, 27-inch, comfortable full-size couch, queen-size feather bed, new tarp and poles 12-by 24-feet. Call 55638.

ALL WOOD TV stand, \$75; snorkel gear; hall rugs; area rugs; patio furniture; burley base; women's clothing; vacuum cleaners and several plants. Call 54312.

JBL JRX125 dual 15-inches, two-way speakers with cabinet and two 25-feet, 12-gauge Speakon cables, \$1,000 for all. Call Will, 52222 or 53448.

COLUMBIA 26 MKII with boat house that has passed all inspections and everything in it, refurbished cradle and contents of boat, boat needs some minimal paint work, \$9,000 or best offer. Call 52427, evenings.

MEN'S BIKE, aluminum frame with four gears, available Wednesday, \$75; bike trailer, \$50 and TV, 13-inch, \$60. Call 54165.

JVC STEREO with five-CD changer and two tape decks, \$120; JBL Magnum speargun, 48-inches, \$75; pneumatic speargun, 28-inches, \$50; SIMLETECH 160GB portable hard drive, USB-powered, with manufacturer's box, CD, USB cable and instructions, fits in palm of hand, \$135; portable table top for propane grill, \$20 Call 55959.

MICRONESIAN STORY BOARDS, one small, hand-crafted, \$50, one large, natural wood, hand-crafted, excellent condition, \$250; crosswalk treadmill, electronic pro-form with power incline and cushion base to protect joints and reduce stress, control console displays speed, time, distance and calories burned, fold to save space, \$400. Call 53640, 4-8 p.m.

SIGMA 24mm F1.8 EX DG aspherical macro lens for Canon digital or film SLR cameras, ideal for landscapes, low-light or general-purpose photography, sharp, fast, and has smooth autofocus, excellent condition, includes lens caps and hood, \$250. Call Jon, 58123.

BOAT HOUSE and Boat Lot 307, Boat 359, all parts, tools and boating related gear included, well-maintained boat and boat house, boat house includes, A/C, freezer, refrigerator and stereo and large picnic area behind boat house, first \$28,000 takes it all. Call Ed, 52232.

CRIB THREE-IN-ONE bed, changes from crib to toddler bed or to day bed, \$200 and rocking unicorn, \$15. Call 55176.

CANOPY 10 BY 40 all aluminum, no rust, only six months old, paid \$750, Make offer, will part out if necessary. Call 54027.

COMMUNITY NOTICES

THE LAUNDERETTE WILL be closed until further for maintenance and repairs. Questions? Call 53462.

TO RESERVE the Pacific Club for events, call Trudy Butler, 55133.

ENJOY AN evening of ballroom dancing between 7 and 9:30 p.m., tonight, in the multi-purpose room. Free and open to the community. Adults and high school students welcome. Bring your own non-alcoholic beverages. Questions? Call Dick or Cheryl, 51684.

THE ELEMENTARY SCHOOL Mother and Son barbecue dinner will be at 6 p.m., Sunday, in Community Activities Center Room 6. Kindergarten through Grade six boys and moms are invited. The theme is country/western so round up those cowboy hats and boots. Questions? Call 58496.

A POWER OUTAGE will take place at 7 p.m., Tuesday. The outage should last less than five minutes. The affected facilities will be: Surfway, Gear Locker, AFN TV and radio, Special Services, Facility 805, Facility 807, Hobby Shop, Art Annex, Micronesian Handicraft Shop, Environmental, Safety and Health office, Dental Clinic, Ivey Gym, Quarters 203, 205, 207, 211, 215, 217, 219, and 228. Questions? Call Charles, 53426.

THE ARMED SERVICES Vocational Battery Military Entrance examination will be administered at the following times and days: 8 a.m.-noon and 5-9 p.m., Thursday, in Corlett Recreation Center Room 1. (Kwajalein residents and C-badge workers between 18 and 41); 8 a.m.-noon and 1-5 p.m., Friday, at Ebeye Community Center (student test) and 8 a.m.-

noon and 1-5 p.m., Oct. 20, at Ebeye Community Center (all high school graduates between the ages of 18-41).

MACY'S WILL have items on sale every week through Christmas. Toys are 40 percent off now through Friday. Halloween costumes, face paint and accessories are 15 percent off; Halloween cards and party supplies are 25 percent off and party toys and gifts are 25 percent off.

THE SMALL ARMS RANGE will be in operation from 7 a.m. to noon, Tuesday. Observe the red flags.

WATCH THE New York Giants take on the Atlanta Falcons Tuesday night at the YUK club on Kwaj's biggest TV. Hot dogs for \$2, pizza slices for \$1.50 and \$2 nachos available at game time. Cold \$1 domestic deer and \$2 imports. Club opens at 6:30 p.m.

THE SCHOOL ADVISORY Council meeting will be at 7 p.m., Wednesday, in the elementary school music classroom. The public is invited. Questions? Call 53761.

THE YOKWE YUK Women's Club hospitality committee invites newcomers and current members to a welcome coffee at 7:30 p.m., Friday, at Quarters 219-B. Wear pink for Breast Cancer Awareness Month.

LAGOON ROAD AT 8th street and Kwajalein police station will be closed until early next week due to construction work. Construction crews will be preparing for and pouring concrete this week with a few days of cure time for the concrete before the road is re-opened. Be mindful of the construction barriers and watch out for heavy equipment working in the area.

WATER DEPARTMENT personnel will flush the potable water system until Oct. 20. Some discoloration in your water may occur. If so, flush the water line for a few minutes or until the water runs clear. If the discoloration persists, call 58044 or 51847.

THE YOKWE YUK Women's Club meets 11:30 a.m. to 12:30 p.m., Oct. 22, at the Yuk Club. Deli lunch will be served. All island women welcome.

Yokwe Yuk Women's Club Bargain Bazaar fashion show will be 11:30 a.m.-12:30 p.m., Oct. 22, at the Yuk Club. A deli lunch will be served for \$7. All island women welcome.

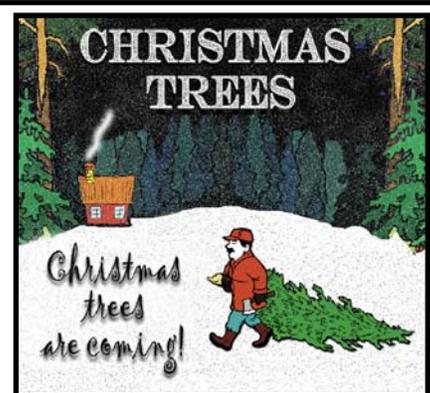
POT LUCK LUNCHEON celebrating Native American Indian Heritage Month will be at 11:30 a.m., Oct. 28, at the Emon Beach pavilions. POC on global e-mail: Max Blackcrow, Noble Kaluhiokalani and Lee Allas.

ALL AVAILABLE trailers have been committed for the Halloween weekend. Requests are no longer being accepted by Kwaj Lodge.

NOTICE TO ALL bachelor quarter residents. Effective Nov. 1, all BQs will become non-smoking units per the recent revision to USAKA Regulation 210-50 Section 6.e. This means no smoking inside buildings, on balconies or within 50 feet of any entrance.

MARK YOUR CALENDARS. Kwajalein Art Guild's Holiday Craft Fair is 10 a.m.-2 p.m., Nov. 5, at Corlett Recreation Center. Vendor table applications are available on the bulletin board at the mini-mall. Questions? Call 52823.

THE YOKWE YUK Women's Club invites island women to an elegant wine and cheese event featuring a silent auction of unique baskets just in time for Christmas, 7 p.m., Nov. 11. The location is to be determined. Tickets are \$15 and can be purchased 10 a.m.-noon, Monday, Oct 22 and Oct. 29, on Macy's porch or call Jackie, 51926, or Amy, 52668.



Christmas is coming and so are the trees. Live Christmas trees are being pre-sold on Tuesday at the high school office. The shipment is limited, so the trees will be sold on a first-come basis until sold out. The trees are high-quality and long lasting. Delivery by high school students to quarters is free and will be in the second week of December.

If you have friends who are currently off island and think they would want a tree, purchase one for them too. Questions? Call the high school office, 52011.

NOTE: This will be the only opportunity to purchase the trees.

Island Beautification Day



Volunteer to help with islandwide beautification by dedicating 30 minutes on Oct. 22 to clean up a public area. Call Brenda, 53331, or e-mail Brenda.Panton@smdck.smdc.army.mil to sign up and get details. Participants are provided trash bags and gloves and everyone will receive a free gift certificate from Community Activities.

TV WAR, from PAGE 8

The German garrisons would have been cut off from supplies and any line of retreat. They could have been left to surrender or starve.

Most military historians agree the Battle of the Hurtgen Forest was a grossly unnecessary and tragic blunder.

The commanding general of the operation who insisted on pressing the battle despite the horrendous losses was Omar Bradley. Bradley was and is referred to as the 'soldier's general.' But through the long battle of Hurtgen, Bradley never once visited the front. He never saw what conditions were like and what a death trap the forest was.

Would Bradley be so revered if news cameras had been there to capture the carnage and conditions the men had to fight in and the general's insistence on pressing the battle?

If World War II had been a 'TV war' like Vietnam and Iraq, would that war have been won?

If the American public had seen in living color the blunders and disasters and knew what they cost in American lives, would there have been protests and calls for America to end its involvement in Europe? Would Americans back home have accepted terrible casualties because of military setbacks or would they have lost faith in Franklin Roosevelt and the generals running the war?

The Vietnam experience and the current debate about the Iraq war makes one wonder.

As Burns points out in *The War*, the problems, blunders, shortage of proper equipment and troops paying the price for mistakes is nothing new. There were almost as many men killed in one day in the Hurtgen Forest as have been lost in five years of Iraq.

World War II has been called the last 'good' war. But as Burns says, there are no good wars, only wars that are necessary. World War II was necessary and it's a good thing it wasn't fought in American living rooms.

ARMED FORCES ENTERTAINMENT PRESENTS

entice

www.entice4.com



ROCK PERSUASION

Powerful, fresh and unique, this group has jammed out all over Southern California. These four, long-time friends share a passion for creating music that is emotionally driven and are often compared to Muse, The Fray, and One Republic. With their guitars screaming, piano blasting, drums wailing, and bass boosting, Entice is not subtle persuasion—it's full-blown rock persuasion.



9:30 p.m. tonight, at the Yuk Club
6 p.m., Sunday, at Emon Beach

Weather courtesy of RTS Weather

Sunday: Partly cloudy, 60 percent showers. **Winds:** E at 8-12 knots.
Monday: Partly sunny, 30 percent showers. **Winds:** ENE at 7-10 knots.
Tuesday: Partly sunny, 30 percent showers. **Winds:** ENE at 8-12 knots.
Wednesday: Partly cloudy, 40 percent showers. **Winds:** ESE at 4-8 knots.
Thursday: Partly sunny, 30 percent showers. **Winds:** Light and variable.
Friday: Partly sunny, 30 percent showers. **Winds:** SE at 5-10 knots.
Oct. 20: Mostly sunny, 20 percent showers. **Winds:** E at 6-12 knots.

Annual total: 64.05 inches
Annual deviation: -10.65 inches

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

Sun • Moon • Tides

	Sunrise/set	Moonrise/set	High Tide	Low Tide
Sunday	6:37 a.m./6:33 p.m.	8:36 a.m./8:28 p.m.	5:15 a.m., 3.7' 5:27 p.m., 4.4'	11:11 a.m., 0.4' 11:45 p.m., 0.3'
Monday	6:37 a.m./6:33 p.m.	9:26 a.m./9:14 p.m.	5:39 a.m., 3.4' 5:52 p.m., 4.2'	11:32 a.m., 0.2'
Tuesday	6:37 a.m./6:32 p.m.	10:17 a.m./10:04 p.m.	6:04 a.m., 3.0' 6:18 p.m., 3.8'	12:13 a.m., 0.0' 11:54 p.m., 0.1'
Wednesday	6:37 a.m./6:32 p.m.	11:10 a.m./10:57 p.m.	6:30 a.m., 2.7' 6:50 p.m., 3.5'	12:44 a.m., 0.3' 12:17 p.m., 0.5'
Thursday	6:37 a.m./6:31 p.m.	12:02 a.m./11:51 p.m.	7:04 a.m., 2.3' 7:35 p.m., 3.1'	1:25 a.m., 0.7' 12:45 p.m., 0.9'
Friday	6:37 a.m./6:31 p.m.	12:53 a.m./	8:13 a.m., 1.9' 9:13 p.m., 2.7'	2:38 a.m., 1.1' 1:34 p.m., 1.3'
Oct. 20	6:37 a.m./6:31 p.m.	1:42 p.m./12:45 a.m.	11:57 a.m., 1.9' 11:46 p.m., 2.9'	5:24 a.m., 1.2' 4:51 p.m., 1.5'