

# THE KWAJALEIN HOURGLASS



Residents line up for a chance to purchase fresh fish and lobster at the Marshallese Trade Fair Monday. For more coverage, see Page 8.

*(Photo by Dan Adler)*

# Letters to the editor



To submit a letter to the editor: Keep letters to less than 300 words, and keep comments to the issues. No personal attacks will be printed. Letters must be signed. However, names will be withheld if requested. We will edit for Associated Press style, grammar and punctuation and if you exceed the word limit, will be edited for space. Limit one letter every 30 days. Send your letter to:  
*The Hourglass*, P.O. Box 23, Local; or  
*hourglass @kls.usaka.smdc.army.mil*.

# News to Use



Do you have news you would like to share about your club, private organization or work department? Do you have an interesting story and photos of a vacation trip? How about a scuba dive with great photos you took? Have you got a good fish story?  
*The Hourglass* welcomes submissions of news articles written by members of the community. You can submit articles to the USAKA Public Affair Officer, Vanessa Peeden, at *vanessa.peeden@smdck.smdc.army.mil*

## NOTICE OF CHANGE TO SHOPPING PRIVILEGES FOR 480 VISITORS (Effective as of Tuesday, Oct. 21)

As a result of ongoing legal, regulatory, and administrative reviews of various policies, the following interim change to USAKA Regulation 190-41 is announced with regard to authorized shopping privileges for visitors to Kwajalein:

**Unofficial visitors (USAKA Form 480):** Shopping privileges are limited to the AAFES Food Court and the American Eatery at DSC.

## Operation Security is everyone's responsibility

Be sure all classified documents and offices containing classified materials are secure.  
 Practice good OPSEC.



## THUMBS UP

To the nurses who volunteered for the breast cancer awareness demonstration at the dining hall this weekend.

*The TV and Entertainment Guide and the Hourglass are published on Fridays and can be found in the gray boxes at the post office and at the Dock Security Checkpoint.*

# THE KWAJALEIN HOURGLASS

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

*The Kwajalein Hourglass* is an authorized publication for military personnel, federal employees, contractor workers and their families assigned to U.S. Army Kwajalein Atoll. Contents of *The Hourglass* are not necessarily

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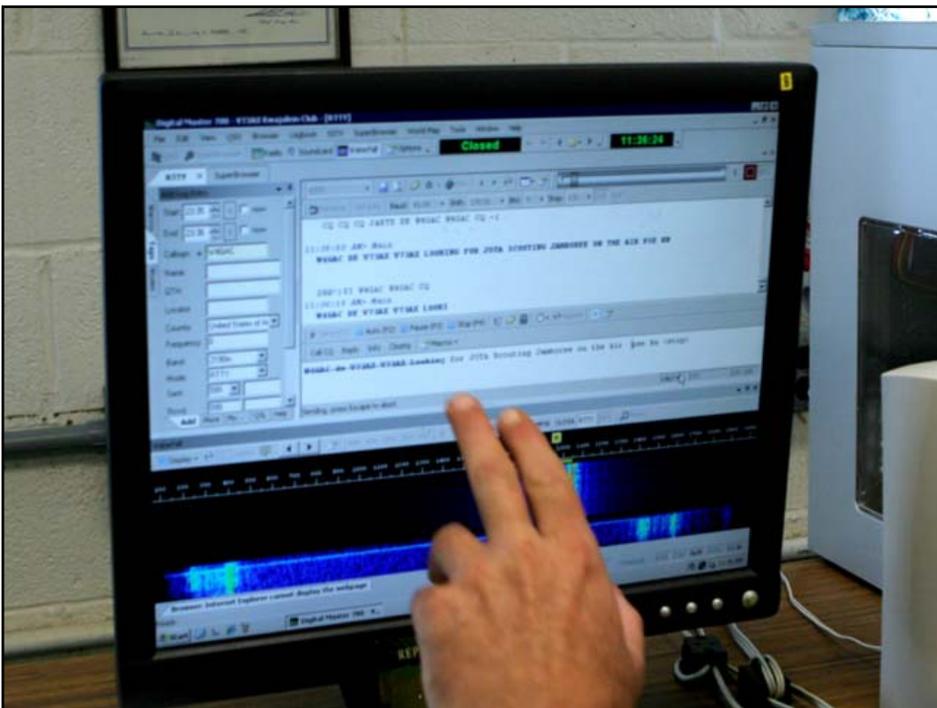
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Ham radio operator Robert Struppeck shows the Scouts how digital radio communications work during the Jamboree.

# Cub Scout Pack 135 joins in worldwide Jamboree-on-the-Air at the Ham Shack



The Scouts are shown how digital communications show up as text on the display screen.

Article and photos by Dan Adler  
Media Manager

The Worldwide Cub Scout ‘Jamboree-on-the-Air’ took place Sunday and Monday.

The Jamboree is an annual Scouting and amateur radio event sponsored by the World Scout Bureau of the World Organization of the Scout Movement.

Cub Scout dens around the world visit a local amateur ham shack to communicate with Scouts in other countries they can contact via ham radio signals.

Contact with Scouts or radio operators in other countries are initiated by sending out the signal ‘CQ Jamboree,’ which basically means, ‘if anybody out there connected with the Scout Jamboree is picking up my signal, I want to talk.’

After the CQ message is sent,

**See SCOUTS, Page 20**



The Orbital L-1011 aircraft with the Pegasus rocket bearing the IBEX payload sits at the 'Hot Spot.'

# NASA/Orbital pleased with 'can-do'

Article and photo by Dan Adler  
Media Manager

*The Hourglass had a chance to talk to Chuck Dovale, Launch Director for NASA's Launch Service Program (unmanned) and Bryan Baldwin, Pegasus Program Manager for Orbital, about Reagan Test Site and the services it can provide to NASA and Orbital. Chuck Dovale's article begins below and Bryan Baldwin's article begins on Page 12.*

When he was asked why Kwajalein was chosen for the IBEX mission, Dovale said, "One of the main reasons we came out [to Kwajalein] was driven by the mass of the spacecraft and the inclination, which was almost equatorial, it needed to go into orbit."

The IBEX payload is too heavy to have been launched from the Kennedy Space Center in Florida. According to Dovale, that was the original plan.

But this payload is the heaviest that Pegasus has ever flown so the requirements of the mission drove it to Kwajalein.

"Orbital had launched before from Kwajalein, so they had experience with this as a launch site," Dovale said. "So it was offered up to us [NASA]. We had a mission here in 2000, but we sent just a few folks and controlled it from Florida. There were only five or six NASA

people and around 15 Orbital people. The nature of the Pegasus mission is the plane flying, so there's always a remote capability."

According to Dovale, during that mission, NASA didn't see a difference between controlling a mission on Kwajalein and a mission 100 miles off the east coast of the United States from Florida. NASA didn't think the distance involved made that much of a problem.

He added that when the current mission [IBEX] came about, Orbital discussed the lessons learned from 2000. They had run into a lot of logistics issues by having their team split between two separate locations. The engineers and decision-makers were back in Florida and the people who were readying the rocket and the L-1011 were on Kwajalein.

"Orbital ran into a lot of problems, not on launch day, but a week or 10 days out. They were having a hard time resolving them because the brain tank was back in Florida," said Dovale.

He added, "So because of that, they proposed bringing their whole teams to Kwajalein for the C/NOFS mission.

In addition to the 2000 launch, C/NOFS, an Air Force communication satellite, was launched by Pegasus from Kwajalein in April of this year and Orbital wanted to control that on island. That mission was used as a pathfinder by NASA to see if it could be done.

"We watched from the sideline to see if there were any



# spirit and support facilities of RTS

problems and if they were significant enough, we could have changed our approach, but obviously, C/NOFS went well,” Dovale said. “It was a big success and that further solidified our decision to come here.”

Dovale stated that NASA’s policy is to always be co-located with their contractor(s) because they are doing an oversight role in a government function. NASA has to give approval to any steps taken with their spacecraft.

Due to that policy, NASA chose to bring a team out to Kwajalein along with the Orbital team.

“We didn’t think it was a good idea for the two to be split as in the past,” Dovale said.

He added that Pegasus is important to NASA because it meets their requirements for the small explorer program of which IBEX is a part. The program includes a class of spacecraft of less than a thousand pounds.

Pegasus missions have been conducted for 18 years, according to Dovale.

As far as what makes Kwajalein and RTS attractive to NASA for missions, Dovale said it’s the infrastructure and range support that is a big advantage.

“We launched a mission from Kodiak Island a few years ago, but that site didn’t have a big range resource,” he said. “We have to have range destruct capability so that in case of a problem, we can take the rocket out before it could harm anybody. So in that case, we had to bring facilities and infrastructure out to Kodiak to support our mission.”

Dovale said that Kwajalein is it’s own range.

“It comes with it’s own radars, tracking, safety officer and a big history of success in tracking and supporting missions,” he said. “It may be new with groups launching equatorial and orbital from Kwajalein, but they’re certainly experienced in big missions, whether it’s tracking, incoming and so forth.”

Dovale added, “With SpaceX coming on board and missile defense here as well, I think there was a big jump between 2000 and now in RTS capability to support a big attempt like this [the current IBEX mission].”

When asked if he thought more NASA missions would come to Kwajalein, Dovale answered that currently, NASA didn’t have any more missions on contract with Orbital, but there were three or four in the pipeline that Orbital could be in line for.

“NASA has to compete the missions with other providers that could supply the rocket for NASA,” he said. “Pegasus will be part of that competition, and if Orbital were to win, and depending on mission requirements, Kwajalein would certainly be a launch site that they would propose.”

Dovale said that Kwajalein provides a similar set of assets that the eastern and western ranges in the

**See NASA, Page 10**

# *The 2008 Kwaj Open*

OCT. 12-13 — OCT. 19-20



**John Brown tees off at the Kwaj Open Golf Tournament on Oct. 13.**

*Photos by Dan Adler*



Left to right, Jeff Jones makes a putt as Kenny Leines, Chris Hines, and Andy Frase look on.



Andy Frase tries for a putt during the tournament.



Jim Bishop hits a drive to Hole Number 1.

## Kwaj Open draws 83 golfers

### Hourglass reports

The annual Kwaj Open Golf Tournament was played on Oct. 12-13 and Oct. 19-20 at Homberg Fairways. The Kwajalein Golf Association would like to thank everyone involved in making the 38th Annual Kwaj Open a tremendous success. Eighty-

three golfers participated in the event and enjoyed a rare rain-free tournament.

KGA thanks Continental Airlines, Kwajalein Range Services, Chugach, Matson, San Juan Construction, Inc., The Village at Pohnpei, Nautilus Resort at Kosrae and Anne Dowell for their generous support.

## 2008 Kwaj Open Golf Tournament results

WOMEN'S A-FLIGHT 1ST PLACE: CINDY MATHIESON  
 WOMEN'S A FLIGHT 2ND PLACE: RIHNA HAMPSON  
 WOMEN'S A-FLIGHT 3RD PLACE: BARBARA MACDAID

WOMEN'S B-FLIGHT 1ST PLACE: TAMMIE COTTON  
 WOMEN'S B-FLIGHT 2ND PLACE: NANCY GRANT  
 WOMEN'S B-FLIGHT 3RD PLACE: GLORIA CASSIDY

MEN'S A-FLIGHT 1ST PLACE: KENNY LEINES  
 MEN'S A-FLIGHT 2ND PLACE: RUSSELL BENIAMINA  
 MEN'S A-FLIGHT 3RD PLACE: JOHN JANKE  
 MEN'S A-FLIGHT 4TH PLACE: FRED CUNNINGHAM

MEN'S B-FLIGHT 1ST PLACE: BOB ALLARD  
 MEN'S B-FLIGHT 2ND PLACE: JEFF JONES  
 MEN'S B-FLIGHT 3RD PLACE: ANDY ESTACION  
 MEN'S B-FLIGHT 4TH PLACE: GEARY SHOTTS



MEN'S C-FLIGHT 1ST PLACE: LARRY COTTON  
 MEN'S C-FLIGHT 2ND PLACE: JIM BALL  
 MEN'S C-FLIGHT 3RD PLACE: MICHAEL SAKS  
 MEN'S C-FLIGHT 4TH PLACE: BRIAN BRADY

MEN'S D-FLIGHT 1ST PLACE: JOHN IRWIN  
 MEN'S D-FLIGHT 2ND PLACE: NATE GOYNE  
 MEN'S D-FLIGHT 3RD PLACE: BILL HAHN  
 MEN'S D-FLIGHT 4TH PLACE: MIKE BUTLER

MEN'S LOW NET: JOHN IRWIN  
 WOMEN'S LOW NET: TAMMIE COTTON  
 MEN'S LOW GROSS: PAUL ALLAS  
 WOMEN'S LOW GROSS: SUSAN BALL

LOW NET WINNER: JOHN IRWIN/LOWEST NET FOR TOURNAMENT  
 — ALL PLAYERS





Dresses, shirts, jewelry and handicrafts await Kwajalein shoppers at the Marshallese Trade Fair.

# Marshallese Trade Fair held Monday

Article and photos by Dan Adler  
Media Manager

The fifth Annual Marshallese Trade Fair was six months in the making according to Anne Greene, Host Nation secretary.

“We started six months ago deciding on the date,” she said. “We thought it would be better to have it closer to Christmas so people could shop for gifts in time to ship them home.”

It took the efforts of the RMI Ministry of Resource and Development, the USAKA Host Nation office and Kwajalein Range Services’ Shipping and Receiving, Supply, Community Activities, the Electric Shop, the Marine Department and Kwajalein Police Department for the fair to take place.

The fair opened with a brief ceremony, a prayer, and welcoming remarks from Pastor Rick Funk, Col. Frederick Clarke, USAKA Commander, Douglass Morris, Chargé d’affaires at the U.S. Embassy on Majuro and Rebecca Lorennij from the Ministry of Resources and Development.

More than 75 vendors were signed up for this year’s



Cheri Malloy checks out some trinkets.



**Fish and lobster were popular items at the fair.**



**Plants from Majuro were new at the fair this year.**

fair. The vendors came from Majuro, Ebeye, Wotje, Wotho and Rongelap.

“We weren’t able to get Kosrae because of the plane situation,” said Greene. “But we have more variety than we’ve ever had.”

She added, “We have vegetables, fish jerky, cucumbers, limes, breadfruit chips, bananas, squash, tomatoes, papaya, pumpkins, corn and more. All the fruit and produce is from Majuro. They have a farm called the Laura Farm that was a grant from the Taiwanese government. It’s been working out very well.”

New this year were plants from Majuro.

“It’s the first time we’ve ever had plants,” said Greene. “We have impatiens which are a different variety than what we have here. We don’t get this color here.”

The fair featured handicrafts, island-theme clothing, oils and lotions and fish and lobster.

The fish and lobster were very popular with residents who lined up early for the opportunity to buy some.

The Jine Tip Tip Club had banana bread, rice, chicken, beef sticks and soda for sale.

“It’s important to have these kind of things,” said Pastor Funk. “It brings our two communities together and introduces us to Marshallese products.”



**Alex McGlinn sports a brand new basket.**



**Witon Barry of Majuro sets out coconut oils for sale.**

United States do. The ranges in the states have radars and redundancy to each of them. He stressed the importance of that because, "You certainly don't want a mission canceled because you have a single-string asset that goes down."

He added, "So Kwajalein has the ability to track and has the range destruct capability to take the rocket out. They also have a C-Band tracker which helps track the rocket as it goes on it's flight. They've got optics which provide for safety as well. So between Kwajalein and Roi-Namur, RTS has the suite of radars and assets that are right in line with the Pegasus system and what NASA requires."

When asked about the cost of using Kwajalein, Dovale said that in the contract as it stands right now, Orbital proposes launch sites. Florida is one and so is Vandenberg. Those are the two prime sites that NASA uses for Pegasus.

"However, there is also a 'non-standard' service they propose and they also propose a price, and if they say they can't use the standard locations NASA provides, they'll offer a non-standard service at a particular cost and Kwajalein fits into that," said Dovale.

"There is a tax to come to Kwajalein just as there is with using Kodiak or any site besides the eastern and western ranges," he said.

Dovale stated that lighter payloads could be launched from other sites, but heavier payloads such as IBEX that have to have an equatorial launch need to come to Kwajalein.

If IBEX had been just a little lighter, it might not have come to RTS. It was the mass and the launch inclination which drove it to Kwajalein. It had been hoped to launch IBEX from Florida, but it became clear early on that it would outgrow the capability of the Space Center site.

The reason for the C/NOFS mission being done here in April, as far as Dovale knew, was not a weight problem, but that it needed near zero inclination for launch. It needed to be less than 10 degrees so Kwajalein's proximity to the equator was the reason the mission was done at RTS.

Dovale said that 'Polar' Pegasus missions are done primarily from Vandenberg. Those missions are launched straight south and will fly over both poles. Most 'equatorial' Pegasus launches can also be done from the Cape, but it's 28 degrees inclination, so if a mission needs to be launched from less than that, then Kwajalein can become a prime site to launch from.

There are other considerations in using Kwajalein. "One of the challenges with the eastern and western



**Master Sgt. Daniel Purdue and Lt. Col. Harold Buhl, RTS Range Commander, apply an RTS sticker to the Pegasus rocket.**

ranges is that they are huge and they have a lot of infrastructure and it requires a lot of documentation and other requirements that have to be met," Dovale said. "The Kwajalein Range is a lot easier to work with and to meet the requirements out here. From Orbital's perspective, I would say for that reason alone, they like coming to Kwaj because it's much easier to get documentation and requirements through the system and approved."

One of the advantages to using Kwajalein is that the range can be more lenient with requirements because land mass and population is smaller and there's more open room, so those things don't drive the range safety analysis that has to be done.

"We chose a corridor to avoid some islands, but it's nothing like back home where you have to do probability and calculations of casualty rates in case the rocket lands somewhere you didn't expect it to," Dovale said. "That's a huge advantage to using Kwajalein."

He added, "Of course, the logistics of getting things here and having spare parts and that sort of thing is the downside. One of the things we don't have the ability to do here is if we have any kind of payload issue, we can't get into the ferry to take the rocket off to troubleshoot the spacecraft, so we would have to bring it back to Vandenberg to take it apart there. That's a disadvantage, but technically, if we were to ferry from Vandenberg to Florida, there's a chance we'd be in the same predicament."

He continued, "You have to have a special trailer to be able to remove the rocket in order to work on it. I guess it could have been put on a large aircraft and brought out here if need be. Problems operating from Kwajalein are not insurmountable."

When asked if Orbital or another provider got the Pegasus contract whether NASA would support mis-



**Master Sgt. Daniel Purdue, left, and Lt. Col. Harold Buhl, RTS Range Commander, proudly display the RTS sticker.**

sions at Kwajalein, Dovale answered, “Absolutely. An example is 2000. This is our return. If we had a major problem or didn’t think this site really fit our needs, we wouldn’t have come back after 2000. We are completely behind RTS and the capabilities they have.”

He added, “We’ve been very pleased with the support they’ve given us. The other evidence that we’re committed to Kwajalein is the Falcon I. It’s a vehicle that’s on NASA’s contract. It still has to meet some requirements, but in the future, we could put our payload on it. They launch from here too, so that’s another possible provider using Kwajalein.”

He continued, “We’ve got another small explorer in the design phase, so we would need vehicles to launch it. The answer could be Pegasus, Taurus (which is Orbital’s other vehicle launched from Vandenberg), and Falcon I. Taurus and Falcon I are vertical launches and can lift heavier payloads than Pegasus.”

Dovale said that ‘Rapid Access to Space,’ which is what Pegasus and Falcon I are all about, fosters competition which gives NASA the best deal for their budget and the taxpayers. It also gives NASA more than one provider so that if one can’t do a critical mission quickly for some reason, another provider could.

Dovale said that NASA can be a difficult customer. “We’re not like a commercial outfit that mass produces satellites so if one goes bad, they just put up another. The spacecraft we work on is one of a kind built for specific scientific purposes. We don’t have spares laying around. For that reason, NASA brings a large group out to oversee how the spacecraft is handled and provide insight and approval.”

As far as Kwajalein and RTS, Dovale again emphasized how pleased NASA is with the support and can-do attitude from the range. He said there was a learning curve on the Pegasus-type missions, but the range is rapidly gaining experience.

“RTS has met every requirement along the way,” he said. “NASA, Orbital and RTS cooperation has been working out superbly. There have been a few difficulties, but not significant enough to keep us away.”

## THE IBEX MISSION

Courtesy of Southwest Research Institute ([www.Ibex.SWRI.edu](http://www.Ibex.SWRI.edu))

### What is IBEX?

IBEX is a small explorer NASA mission to map the boundary of the Solar System. The acronym IBEX stands for Interstellar Boundary Explorer. The IBEX spacecraft is a small satellite the size of a bus tire. IBEX will observe the Solar System Boundary while in orbit around Earth. It has “telescopes” on the spacecraft that will look out towards the edge of the Solar System. However, these telescopes are different than most telescopes. They collect particles instead of light. These particles are called energetic neutral atoms (ENAs). The ENAs will provide information about the Solar System’s boundary by travelling toward Earth from beyond the orbit of Pluto. The particles travel for as little as a month to up to 11 years to complete the journey. By collecting these particles, scientists can make the first map of the boundary of our Solar System. This boundary is created by the interaction between the solar wind and the interstellar medium. The solar wind streams out into space and carves out a protective bubble around the Solar System called the heliosphere.

### How does IBEX study the boundary of the Solar System?

Unlike many satellites in space that collect light, IBEX collects particles. These particles come from the boundary of the Solar System and beyond — from the interstellar medium. IBEX has two sensors that collect particles as the satellite orbits the Earth. The satellite spins as it orbits so that over the course of six months, each sensor has the opportunity to collect particles from every part of the sky. As they collect the particles, the sensors and spacecraft keep track of the area the particles came from, the time they entered the sensor, the mass of the particles, and the amount of energy each particle has. This allows the science team to build a map of how many particles of each energy came from each direction in the sky. By analyzing the map, the team of scientists can determine what the interaction of the solar wind and interstellar medium is like in all of the areas of the protective bubble around the Solar System. For example, scientists are trying to find out if there are some areas where the interstellar medium stops the solar wind from flowing outward more quickly (like slamming on the brakes) than other places (where a slow gradual stop may occur.) Also, scientists are trying to determine the overall shape of the bubble which may be affected by differences in density, and magnetic fields in the interstellar medium.

### How does IBEX get into space?

An airplane called an L-1011 will take a Pegasus rocket to high altitude. Then, the Pegasus rocket will fire its own rockets to propel it, and the IBEX spacecraft, into space. The IBEX spacecraft’s own solid rocket motor will then propel it into an orbit that goes 5/6 of the way to the Moon. This orbit is very high, which allows the satellite to spend much of the time out of the Earth’s magnetosphere, which can interfere with its observations. Even though this orbit is high, it is still very far from the Solar System boundary that it is measuring.

# Orbital hopes to use Kwajalein for further Pegasus launches in future

By Dan Adler  
Media Manager

*Editor's note: The Hourglass had a chance to talk to Bryan Baldwin, Pegasus Program Manager for Orbital, about Reagan Test Site and the services it can and has provided to Orbital. Baldwin has been with Orbital since 1985. The IBEX mission on Monday was a success and Orbital met all of NASA's requirements. IBEX was Orbital's 40th launch and the company has had 26 successes in a row. The first Pegasus launch was in 1990 and at that time launched off B-52 bombers. In 1994, the rocket motors were lengthened for additional performance and Orbital began using the L-1011 after it had extensive modifications done in England.*

When asked what was attractive about Kwajalein as a launch site, Baldwin said, "Kwajalein is certainly a unique place to launch from. It's especially well-suited for low inclination missions because it's located close to the equator," said Baldwin. "And we have some of our customers who are looking for equatorial-type missions."

Baldwin explained that equatorial launches at low inclination allow for better performance from the vehicles because there is less 'overcoming' of the earth's rotation to deal with and that helps put the spacecraft or satellite in orbit where it should be.

In the IBEX mission, Orbital put the spacecraft into orbit with their solid rocket motors and after orbit was attained, NASA used it's own solid rocket motor on the spacecraft to place it in an orbit best suited to their science needs, which is mapping the boundary of our Solar System and the beginning of Deep Space.

Low inclination launches also allow vehicles to carry heavier payloads than they can in non-equatorial launches. An equatorial launch might have to be done just because of weight issues. The IBEX mission was brought to Kwajalein because of weight.

"That makes Kwajalein a good spot for those kinds of customer needs," Baldwin said. "Kwajalein has all the assets that Orbital requires."

He continued, "For this particular launch, they [RTS] provided us with a number of items," said Baldwin. "They provided us with ground and flight safety control. They provide both capture and recording of our S-Band frequency. They capture and record from the two transmitters on the vehicle that we use and they also capture and record the L-1011 video."

The L-1011 carries three cameras. One looks at the forward nose of Pegasus, one looks at the aft end and one looks into the fin box so technicians can see the rudder.

Kwajalein provides radar tracking and beacons to track where the vehicle is headed and if it is staying on course. RTS provide radar C-Band beacon checks. There is a transponder on board the rocket so when

Orbital comes to Kwajalein, RTS can verify the beacons are working properly prior to launch.

"RTS also provides control centers and allows us to set up our own networks so we can have our engineers on-island," said Baldwin. "We have a technical Orbital team for this mission, plus NASA had its own team as well and RTS provided those control services for both teams."

Baldwin said that Kwajalein also provides an off-island communication and gives network access and Internet access to Orbital. In addition, RTS provides optics and does a great job of weather forecasting for a mission. "That's extremely important to us," he said.

Orbital also works with the Kwajalein Range Safety Officer to ensure ground and air safety. The Safety Officer looks at trajectories. The trajectory has to go through an approval process by Range Safety. The Range sets up destruct lines and watches the corridor the rocket has to remain in during flight. If the rocket is going outside of the corridor, then the rocket will be destroyed. The RTS Range Safety Officer has the final say in terminating a flight. Before any launch, the destruct system is checked to be sure it is functioning properly by sending a series of commands to the receivers on the rocket to see if the commands are indeed being received.

Baldwin continued that there are other places, mainly Vandenberg and Kennedy Space Flight Center that provide similar assets, but that Kwajalein is unique in providing low inclination launches.

"You can't do that out of the Cape or Vandenberg," said Baldwin. "This particular mission [IBEX] was 11 degrees inclination. With Pegasus, we can fly even further down if a customer needs closer to a zero degree inclination."

One of the assets Kwajalein has in place that is a great advantage to Orbital or any mission that needed to be close to zero degrees inclination is the *Worthy* and its ability to track that low.

"Kwajalein is unique in that particular aspect," Baldwin said. "Because you have to fly much further out when you're that far down, there has to be down range assets to track and for command destruct."

When asked about the logistics of using Kwajalein, Baldwin said, "Kwaj is a long way from home, but the folks here have been great to work with. Anything we've needed, they've seen to it that we got it and they have been able to meet all of our logistics needs."

One potential problem using Kwajalein is if the rocket would develop a malfunction before launch, it would have to be flown back to the states. But with the rocket attached, the L-1011 couldn't carry enough fuel to make it to Hawaii because it couldn't take off on Kwajalein's short runway with the extra

See ORBITAL, Page 14

# Breast cancer survivor tells her story

By Melissa Oliver

In May of 2002, I was diagnosed with breast cancer through a routine mammogram. I had argued with my doctor the previous three years about mammograms. I felt I didn't need them, he felt I did. Nobody in my family ever had breast cancer except a great aunt, so I thought I was safe.

When they called me back for a repeat mammogram, I just thought they hadn't gotten a clear picture, so I put it off for a month or so. When I finally returned, they repeated the films, and then did magnification films, then a sonogram. By this time I was getting a little nervous. My radiology doctor was a breast cancer survivor and had also lost a sister to breast cancer. She scheduled me for a biopsy and told me not to worry. She said that it was just a precaution and she really didn't think it was cancer.

The previous Christmas my sister had gotten me a personalized daily calendar with bible verses. On Monday morning I got up, turned the calendar to the date and read that no matter what trials I would go through, God would give me strength I needed. I knew then that the biopsy would be positive. My doctor called a few minutes later and confirmed I had 2 different types of cancer. It was in the early stages.

My range of emotions was overwhelming. Even though I knew I was going to be okay, I was scared!

I've always been very optimistic and felt like I could overcome any obstacle, but this was cancer. My faith was strong, my family was there for me, my dog loved me, but this was cancer!

The next few hours were spent telling family and friends, finding a breast surgeon and eating lots of comfort foods with my daughter, sister, and best friend.

The reactions you get from people when you tell them you have breast cancer range from total denial, "no you don't," to "you are too young," to "tell me what I can



Photo by Carol Adler

**Kwajalein Hospital nurse Kim Morris, seated, hands out brochures and pamphlets about breast cancer, mammography and self-exams to Kwajalein residents Holland Dorn, Denise Dorn, Judy Shimamoto, Judy Hoagland, Bob Swanson and Cindi Pavia.**

do." One co-worker burst into tears and I ended up consoling her.

My lumpectomy was scheduled for June, followed by six weeks of radiation therapy. I had taken time off work because my doctor told me radiation would be hard and I was a nurse in a busy emergency room. You wouldn't think just going to the Cancer Center every Monday through Friday for one hour would be that difficult, but it felt like the longest 33 days of my life.

I was exhausted. My Sunday School class made meals, froze them, and brought them to me to microwave every day. Someone had to drive me to my treatments every day. I could hardly walk my dog. I had radiation burns. I had to have my markers tattooed on my chest. My skin was peeling off.

I made it through my radiation and went back to work. I had accepted the ER nurse manager position while I was on leave, so I settled into my new position and got on with my life.

Then came chemo!

My oncologist thought I would benefit from chemotherapy, so we had a family meeting and decided to go for it. The family was much more gung-ho than I was.

In early November, I started chemo. I had only thought radiation was bad. By Thanksgiving I was bald for the holidays, along with several firemen I worked with that shaved their heads in support. It took several tries to get my nausea medicine recipe right. I had a mediport in my chest to receive the caustic medicine.

In January 2003 I finished my chemo and was declared cancer free.

I still have a fear of the cancer returning, I don't think any survivor ever gets over that.

Cancer taught me to never take anything for granted, my family, my friends, my life. It taught me to live my life to the fullest. It showed me strength I never knew I had. It taught me that scars can be beautiful (my daughter calls them my badges of courage).

October is National Breast Cancer Awareness month. If you are female, do monthly self breast exams and get a mammogram. If you are male, encourage the women in your life to do the same. You never know if you or someone you love will be saved through these simple exams. Celebrate life!

# Columbus Day Run draws 113 entrants

## *Julianne Kirchner breaks female teen record*



**Julianne Kirchner broke the Female Teen record by more than seven minutes.**

**By Bob Sholar**  
Kwajalein Running Club president

Kwajalein Running Club conducted the 31st Annual Columbus Day Runabout with a 6 a.m. start on Oct. 14. There were 113 participants.

The event included the traditional one or two island perimeter loop options at 6.52 miles or 13.04 miles.

The performance highlight of the day was Julianne Kirchner's achievement of breaking the Teen Female record for the 13.04-mile record by more than seven minutes. The previous record was set back in 1981 by Cindy Ward. Julianne was well under the two hour mark in 1:56:21. She pushed herself extremely hard and was thoroughly spent after crossing the finish line.

The Kwajalein schools, Grades K thru 12 were well

represented accounting for 40 of the 113 runners and walkers.

High school boys' soccer coach, Paul McGrew, pleaded with his players to get up at 5:30 am on the holiday and run around the Island at least once. All but one previously injured player made the 6 a.m. start from Namo Weto Youth Center.

Soccer team member and high school senior, Michael Hillman was first overall across the 6.52-mile line in 48:57. Teammate Dane Bishop, just a ninth grader, elected to do two island loops and finished the 13.04-mile option in 1:47:11. Bishop was several minutes off the 1:40:43 record for the teen boys' two-looper, but he is just a freshman.

Heidi Rowell provided original art work for the commemorative Tee-shirts awarded each finisher.



**Gilson Hogan comes to the finish line at the annual Columbus Day run.**

### **ORBITAL from Page 12**

weight. So they would have to fly to Wake Island to refuel.

"We can land out here because coming from Hawaii, we burn enough fuel so we're light enough to stop on the runway," said Baldwin. "But the obstacles are not insurmountable. We've shown that on the two missions we've had here."

At this time, there are no more Pegasus missions scheduled for Kwajalein, but Orbital is proposing on a potential mission for Kwajalein again, according to Baldwin. The mission has not been awarded yet and a launch location has not been chosen. Right now, the Cape and Kwajalein are both

being considered.

Baldwin said that if Orbital got contracts for more low inclination launches, Kwajalein would be a great launch site option for such missions.

In addition to the missions for NASA, Orbital has also launched satellites for Brazil and Spain. According to Baldwin, several years ago when the dot-com rage was going on, Orbital launched many commercial satellites. NASA is Orbital's biggest customer for small science payloads. And while Rapid Access to Space is a possible use for Pegasus, it's just in the proposal stage at this time.

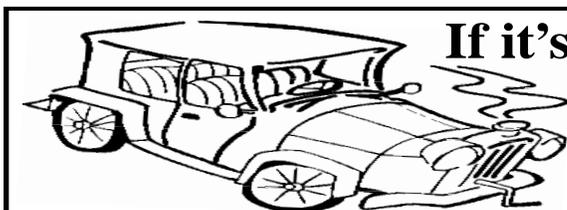
Baldwin said no contracts have

been awarded for it as far as he knows. The government is looking at several possible options.

Orbital also supplies target vehicles to Boeing for the Missile Defense agency.

As far as using RTS again, Baldwin stated that Orbital absolutely would.

"For the two missions we've launched out of here, the people have been very accommodating. Anything we needed, they took care of it for us. We've had some last minute requests on air-conditioning and structures out at the Hot Spot and the folks here find a way to do it," Baldwin said. "They're a great bunch of people to work with."



### **If it's not movin', it shouldn't be runnin'**

**Vehicle engines left idling waste fuel and money and could create a safety hazard. If vehicles are not being driven, engines should be shut off.**

# DISCOVER ROI DAY AND CHILI-COOK-OFF



## FOOD!

chili cook-off T-shirt.

- Chili entrants will also have priority for seating on the catamaran, and must manifest seats on the catamaran. There will be a maximum of 20 chili entrants from Kwaj due to a limited number of electrical outlets for the crock pots on the catamaran.

- The cost to be a vendor is \$20 per vendor booth and no-shows will owe a \$25 donation to the ECCF within one week after the chili cook-off.

- The chili cook-off food menu will include marinated grilled chicken thighs, chili dogs, hot dogs, hamburgers, cole slaw and rice. An assortment of soft drinks and water will also be available.

- The ECCF committee is fortunate and appreciative to have first, second, and third place chili contest winner's prizes made and donated by local Roi-Namur stained glass artist, Jonathon Shedaker. Kerry

The Ennubirr Children's Christmas Fund is proud to announce the 9th Annual ECCF Chili Cook-Off. The ECCF committee is very excited to be holding this year's event from 11 a.m. to 5 p.m., Nov. 9, on the 'Commons' by the Parrot Head Club. The cook-off is in conjunction with 'Discover Roi Day.'

- Chili judges will have first priority for seating on the catamaran. The cost to be a chili judge is \$25 which includes a

Young also designed the art work for the back of this year's chili cook-off t-shirt. The art work on the front of the t-shirt features the ECCF permanent logo that was designed by Kwajalein artist, Denise Dorn. You can buy the t-shirts at the chili cook-off for \$20.

- And of course you won't want to miss the famous Pie Toss, with Ms. Bridgett Rankin as Master of Ceremonies and the popular Dunk Tank event.

- The Annual ECCF Chili Cook-Off is the largest single event of the year for Roi-Namur so come on out and enjoy the fun.

- All interested judges, contestants and vendors should contact Laura Pasquarella-Swain, 56638, or Joe Coleman, 56447, so they may send the registration form. Deadline for all contestants and judges is Nov. 5.

Community Activities is selling catamaran tickets for Discover Roi Day. Cost is \$10 for adults and \$5 for family members 18 and under. Reservations will not be taken over the phone. The catamaran will leave Kwaj at 7 a.m., Nov. 9 and leave Roi for Kwajalein at 3:30 p.m.

Discover Roi Day will include a golf tourney and a softball tourney.

Like the catamaran, these activities require advance sign ups (no fee) with Kwaj Community Activities (53331). All reservations are first-come, first-serve. Participation in bingo, banana rides, pie-in-the-face contest, the dunk tank and the ECCF Chili Cookoff do not require advance sign ups.

All profits from chili cook-off will support education on Enniburr.



## CHILI!



## DUNK TANK!



## PIE-IN-THE-FACE!

# Notice of availability: drinking water treatment

NOTICE OF AVAILABILITY, USAKA draft document of Environmental Protection for Drinking Water Treatment

The U.S. Army Kwajalein Atoll (USAKA) Environmental Standards require that the operating parameters of USAKA activities, with the potential to affect the public health and environment, must be defined in a Document of Environmental Protection (DEP). The

Standards further provide that regulatory agencies and the public be allowed to review and comment on a draft DEP.

The draft DEP for Drinking Water Treatment, September 2008, identifies the drinking water treatment facilities at USAKA and establishes a water quality monitoring program that includes monitoring frequency and monitoring locations. The document specifies resolution action

for areas not in compliance with the UES.

The public is invited to review and comment on this draft DEP. The draft DEP and the USAKA Environmental Standards are available for review at the Grace Sherwood Library, the Roi-Namur Library, and the Alele Museum and Library. Questions regarding the draft DEP can be directed to: Ms. Sharon Mitchell, U.S. Army Space and Missile Defense Com-

mand Environmental Compliance Branch Chief, (256) 955-4392.

Written comments can be directed to:

Commander:

U. S. Army Kwajalein Atoll: ATTN: SMDC-RDTC-TEK-W, P.O. Box 26, APO, AP 96555-2526

A period of at least 30 days will be provided for public comment. Comments should be post-marked no later than Nov. 24, 2008.

## Halloween Happenings



### OCT. 25, SHAVING CREAM SOCIAL, AT 'RICH RAVINE'

- 4:20-4:40 p.m., 2-5 years (with parents)
- 4:40-5 p.m. Grades K-2
- 5:10-5:30 p.m., Grades 3-6
- 5:40-6 p.m., Grades 7-12

#### **Rules for the social:**

• Goggles are required • no spraying cream in faces • shaving cream to be used only in designated area • no pushing or horseplay • clean up after yourself • rinse off completely before entering bowling alley or Richardson restrooms • no menthol shave cream is allowed • show cans to staff before entering designated area

OCT. 25, 7-10 P.M.,  
PRE-HALLOWEEN DANCE FOR  
GRADES 7-12, AT THE  
TEEN CENTER



### COSTUME PARTY OCT. 27, AT THE YOUTH CENTER.

- 3-4:30 p.m., Infant to 5 years
- 5-7 p.m., Grades K-6

OCT. 31, 6:30-8:30 P.M.,  
TRICK OR TREATING (IN HOUSING  
AREAS ONLY AND ONLY QUARTERS  
WITH PORCH LIGHTS ON). CHILDREN  
SHOULD WEAR BRIGHT COLORS OR  
REFLECTIVE COSTUMES AND MASKS  
THAT DO NOT IMPAIR VISION. USE  
THE BUDDY SYSTEM. FLASHLIGHTS  
ARE ALSO RECOMMENDED.

**SAFETY NOTE:** Halloween is an exciting, fun-filled time for young people. Costumes, decorations, and candy are just a few of the memories the season brings to mind. Unfortunately, Halloween is also a time for increased accidents, injuries, and deaths. Reports from the Center for Disease Control and Prevention (CDC) estimate the number of deaths among young pedestrians between 5-14 years of age are four times higher on Halloween evening when compared with the same

period during all other evenings of the year.

Many Halloween-related accidents and injuries can be prevented if steps are taken to include safety in the mix. Some of the things you can do to help make this Halloween safer for everyone can be found on the CommandNet Safety website at [HYPERLINK https://commandnet.smdc.army.mil/SafetyOffice/Main.html](https://commandnet.smdc.army.mil/SafetyOffice/Main.html) <https://commandnet.smdc.army.mil/SafetyOffice/Main.html>

# 4-H children practice good citizenship, golden rule

By C.R. Stewart  
Contributor

While many students were out of school on Sept. 29, children from the Kwaj Kids 4-H group journeyed to Ebeye to meet with students and staff from the Ebeye Public Elementary School.

They were warmly greeted at the dock by the students, school principal Deonaire Keju, and two teachers.

The focus of the meeting was citizenship. For an icebreaker they played two games to get to know each other better. Susannah Jones, 4-H Site Lead for Kwajalein, explained that an active citizen is

“a person who works with others to create change or improve the world around them.”

She added that good citizens “stay informed and vote, are good neighbors, obey laws and rules, respect authority, and make their schools and communities better.”

The 4-H children then brainstormed and made a list of ideas to help them learn more about citizenship and teach their peers too. Putting into practice what they had just learned, the students from both is-



Left to right, Danielle Junker, Ashley Kutac, Jillian DeCoster, Chelsea Junker and Claire Stepchew on the way to Ebeye.

lands, staff and volunteer chaperones put on their gloves and proceeded to the school grounds and

began a cleanup effort, picking up trash around the school.

## NOTICE CONCERNING PROHIBITION OF TRANSFER OF RETAIL ITEMS INCLUDING TOBACCO AND ALCOHOL PRODUCTS TO UNAUTHORIZED PERSONS

In an effort to comply with the U.S./RMI Status of Forces Agreement [SOFA] and to eliminate black marketing at USAKA/RTS all USAKA residents and visitors authorized USAKA shopping privileges are reminded that in accordance with USAKA Regulation 190-41 Section 3.4 (a) [Control Sales of Retail Goods] any retail goods that can be purchased from any of the retail outlets on USAKA/RTS leased property are for the benefit of the residents of USAKA/RTS.

It is a violation of this regulation for an authorized person with shopping privileges to give or resell any retail item to anyone that does not have either full or limited shopping or purchasing privileges. The unauthorized sale or transfer of retail goods would be considered in direct violation

of this regulation and a possible act of black marketing.

Residents should also be aware that Section 3.2 (b)(5) of USAKA Regulation 210-20 [Control of Transfer, Transportation, and Removal of Retail Items from U.S. Army Kwajalein Atoll] prohibits the transfer of a retail item, consisting of a tobacco product or a closed container of an alcoholic beverage, to an unauthorized person.

It is also a violation for an authorized person to transport a retail item, consisting of a tobacco product or closed container of an alcoholic beverage, through a USAKA/RTS Inspection Point [place at USAKA where entry/exit inspections are performed] with the intent of making a gift.

Additionally, an authorized person shall not remove a retail item consist-

ing of a tobacco product or a closed container of an alcoholic beverage from USAKA/RTS with the intent of making a gift. For purposes of the above mentioned regulations ‘transfer’ means to give, to cause to be given, to sell, to cause to be sold, to offer for resale, to cause to be offered for resale, to pass or hand over, to cause to be passed or handed over, to convey, to cause to be conveyed, or to give over the possession or control of.

Violations of USAKA Regulations 190-41 and 210-20 are subject to administrative sanctions up to and including a permanent bar from USAKA. Questions concerning this regulation should be directed to the USAKA Legal Office or Provost Marshall.

Na ad bukot mejlan an lori kakien ko ilo juon kon eo ikotan RMI/US im nan ad kamo wia kaki mweik jej boki jen mon wia ko ilo USAKA/RTS, aolep rilotok ro im ro rej jukjuk im amnak ion Kwajalein im ewor aer maron in wia ilo mon wia ko, jej kakememej wot kom ke ekar nan ruul ko ilo USAKA Regulation 190-41 Section 3.4(a) aolep mweik ko ilo mon wia ko ilo USAKA/RTS rej nan kabwe aikuj ko an armij ro rej jukjuk im amnak ion Kwajalein in. Konaj kakure kein in

ne kwoj lito litak mweik kein ba kaki nan ro me rejjab melim aer wia ilo mon wia kein. Ejab bar melim am ajej jika im drenin karok ko im ejab bar melim am kariwoj jika ak drenin karok ilo jikin etal ko einwot DSC. Ne enaj wor ruom ilo am kakure kakien kein, Regulation 190-41 im 210-20 inem enaj wor kaje ko nan iok koba eban melim am bar dreton tok nan Kwajalein in. Ne elon am kajitok, jouj im letok nan office eo an USAKA Legal ak Provost Marshall.

**HELP WANTED**

**KRS and CMSI Job Listings for On-Island Positions will be available at the Kwajalein, Roi-Namur and Ebeye Dock Security Check Point bulletin boards, the bulletin board by the Continental Travel Office, the Roi-Namur Terminal/Post Office bulletin board and at Human Resources in Building 700. Job Listings for Contract Positions will be available at [www.krsjv.com](http://www.krsjv.com), on the bulletin board by the Continental Travel Office and on the Roi-Namur/Post Office bulletin board. Full job descriptions and requirements for Contract openings are located online at [www.krsjv.com](http://www.krsjv.com).**

NEED EXTRA MONEY? KRS employment applications are continually accepted for Casual Positions in the Community Services Departments, Medical Department and the HR Temp Pool. Some of the Casual positions are: Recreation Aides, Medical Office, Media Services Specialist, Substitute Teacher, and HR Temp Pool Office Support. Questions? Call 54916.

**U.S. Army Kwajalein Atoll**

OFFICE AUTOMATION ASSISTANTS, GS-0326-6. Temporary position not to exceed two years. The employee provides clerical support to ensure efficient office operations. The employee accomplishes various duties to provide essential office automation support and production. The employee performs a variety of assignments using the advanced functions of various database software packages. The employee prepares varied documents with complex formats using the advanced functions of word processing, desktop publishing, and other software types. The employee performs systems maintenance functions for electronic mail systems. The employee performs a variety of assignments using the advanced functions of one or more spreadsheet software packages. The employee performs a variety of secretarial and other clerical and administrative functions, using judgment to answer recurring questions and resolve problems. Apply at <https://cpolwapp.belvoir.army.mil>.

**VETS' HALL**

BARTENDER AND BAR BACK. Call Brianne, 53074 or 52279.

**AAFES**

Roi-Namur STORE MANAGER. Apply at [www.aafes.com](http://www.aafes.com) <<http://www.aafes.com>>

**WANTED**

BOYS' COLD WEATHER clothes, sizes 5 and 18-24 months. Call Kimm, 52535.

HOUSE-SITTING for December, all of the month or part

of it. Call Ona, 52276.

NEW OR USED version of Crystal Ball software or 30-day trail version. Call Suzanne, 52658, after 5:30 p.m.

DONATIONS OF Lego toys for mother/son event. Call 52575.

**LOST**

SMALL, BLUE, REI daypack with stainless steel water bottle. Call 51472.

iTOUCH SCREEN 8 GB iPOD, in downtown area (bakery, post office or Community Bank), iPOD can't be opened without the pass code. Reward offered. Call 54571.

DIAMOND EARRING set in gold, between the bank and the Shoppette, sentimental value, reward offered. Call 52415.

**FOUND**

TAN COLUMBIA CAP with drawstring and backflap. Call 52589.

SCUBA/SNORKELING gloves on coral road on side of Ivey Gym. Call 50092 or 52389.

**PATIO SALES**

SATURDAY, 7:30 a.m.-?, Quarters 443-A (in back). Weber grill, boys' games, clothes, women's clothes, curtains, jewelry and adult shoes.

SATURDAY, 8:30 a.m.-?, Quarters 487-D. No early birds.

SATURDAY, 11 a.m.-5 p.m., Quarters 112-A (in back). Two-family sale. Children's, men's and women's clothing, linens and toys.

**FOR SALE**

KENMORE SEWING MACHINE, recently cleaned and adjusted, \$100 and Rubbermaid top-loading yard storage cabinet \$35. Call 54613.

CHILD'S 24-inch bike with basket, used, good shape, \$35. Call 52204.

IKEA COMPUTER desk and chair, great condition, \$30; queen-size down comforter, \$25 or best offer and Fisher Price play kitchen, \$30. Call 52276.

MEDELA INSTYLE breast pump, \$200; kitchen Island, 150; co-sleeper, \$50; infant carrier/car seat, \$25; large storage shed, \$100; baby rocking cradle, \$20; artificial Christmas tree, 6-feet, with storage bag, \$25; dehumidifier (2), \$50 each and cat climbing tree, \$10. Call 53357.

**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 only on the first Sunday of the month at 12:15 p.m., in Roi Chapel.

Protestant

Sunday  
8 and 10:45 a.m., on Kwaj and Roi-Namur service at 4 p.m.

Baptist

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

Latter-day Saints

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

Jewish services

Last Friday of the month in the Religious Education Building. Times will vary. Contact the Chaplain's office, 53505, for more information.

BOAT, 21-FOOT, bimini top, 225-horsepower outboard, eight-horsepower outboard, 50-gallon fuel tank, radio, safety equipment, trailer, and house. \$ 8,500; Crown Line cruiser, 27-feet, 350 Mercury engine, 15-horsepower outboard, trailer, house and covered lot, \$21,000. and 50-CD player, dual-tape deck, receiver, Bose speakers (901s) and EQ, \$700. Call 59662

POWER BUILT GOLF CLUBS with bag, \$110.00; 30-gallon tall saltwater aquarium with stand and six months supply of food, \$150; two Hawaiian slings, \$12 each; JBL custom spear gun, \$50; Scuba Pro dive mask, \$10; microwave, \$35, available after Nov. 17 and Sony 20-inch TV, \$75, available after Nov 17. Prices are negotiable. Call Joshua Wilburn, 53921 or 51460

WOODEN THREE-PANEL photo screen, holds 15 8 x 10 photos, \$75; Kwaj-condition bike, \$20; wicker magazine stand, \$15; four shelves with brackets, \$50 and Rubbermaid bike trailer bed, \$125. Call 53627.

GIBSON nine-cubic feet, drop-in freezer, 1996 model, copper coils, \$150. Call Scott, 51599, after 3:30 p.m.

GRADY-WHITE 240 off-shore boat with Yamaha 150-horsepower outboard motors, 150-gallon fuel tank, stereo, VHF, and dual-axle trailer, cabin with lots of storage space, lots of spare parts including two Yamaha engines, located on Boat Lot 4, \$30,000. Call 59335 or 59081.

YARD AND PATIO PLANTS, flowering and non-flowering, \$35 and patio table with four chairs and umbrella, \$10. Call 55519, home or 52445, work.

*Café Pacific*

**Lunch**

Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Oct. 31
Sweet-and-sour pork	Top round of beef	Pork chops	Beef Stroganoff	Szechuan pork	Swiss steak/gravy	Kalua pork
Chicken cordon bleu	Vegetable ragu	Herb-roast chicken	Chicken piccata	Chicken katsu	Chicken peapod stir-fry	Cheeseburger mac
Pepperoni/cheese pizza	Breaded chicken breast	Three-cheese quiche	Broccoli/rice casserole	Vegetable pasta	Tuna casserole	Tofu and broccoli
Grill: Ranchero burger	Grill: Brunch station open	Grill: Brunch station open	Grill: Hot dogs	Grill: Teriyaki burger	Grill: Sicilian hoagies	Grill: Tostada bar

**Dinner**

Tonight	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
Pancake supper	Turkey with gravy	Cantonese pork	Hamburger steak	Fried chicken	Chef's choice	Hawaiian ham steak
Fried chicken	Parker Ranch stew	Tandouri chicken	Turkey peapod stir-fry	Mahi mahi Hawaiian	Grilled steak	Oven-fried chicken
Beef and broccoli	Green bean casserole	Chef's choice	Baked penne	Chopped steak	Barbecued chicken	Brunswick stew



**Rock & Bowl,  
6-8:30 p.m., Nov. 1,  
at the Bowling Center.  
All are invited to enjoy  
the disco lights and bowl  
some strikes!**

TWO MATCHING Penn International rods (IGFA 130- pound class) with Penn Senator 117 (14/0) reels loaded with 130-pound monofilament line, like new, 6-foot gaff, two handlines, many lures and tons of lure making supplies, will sell as a complete package for \$1,800 and GlassPros 23-foot fishing/diving boat with fuel efficient twin 50-horsepower Yamaha four-stroke engines, \$35,000. Call Dan, 51389, work, or 51071, home.

SEWING MACHINE with hard shell portable case. Heavy-duty NECCHI Royal Series with foot pedal, tools, manual, lots of bobbins, thread and enough fabric for a dress. \$400. Call 53290.

MANGO, 19-foot Cape Dory Typhoon Daysailer in excellent condition, includes mooring, cradle, and 20-foot container set up for workshop on Lot 40, \$4,500 or best offer. Call 54203 and leave message.

CHILDREN'S HALLOWEEN COSTUMES, unicorn, (riding-type, stuffed), clown outfit, Tomato with stem hat. Call for sizes and details and pink umbrella stroller, like new, \$25. Call 52642.

NEW BEDDING SET, tropical sunset king comforter, bed skirt, shams, and matching curtains. Call 54168.

CATAMARAN, 26-FOOT with twin 115-horsepower Yamaha four-stroke engines, spacious deck, huge fish wells, great for fishing, diving and cruising, \$45,000. Call Bob at 54579, home, or 57120, work.

#### COMMUNITY NOTICES

IN SUPPORT of the Shaving Cream Social, Community Activities will close at 4 p.m., Saturday.

SURFWAY WILL BE open until 7:30 p.m., Tuesday, so shoppers may purchase fresh produce.

MANDATORY ISLAND orientation begins at 12:45 p.m., Wednesday, in Community Activities Center Room 6. It is required for all new island arrivals. It is not recommended for family members under 10. Questions? Call 51134.

BINGO NIGHT IS THURSDAY at the Pacific Club. Card sales begin at 5:30 p.m. Play begins at 6:30 p.m. Blackout completion at 56 numbers with a \$1,100



Real Christmas trees from Washington state are being pre-sold at the high school office. The trees will be sold on a first-come basis until they are sold out. The trees are high-quality and long-lasting. Delivery by Kwaj 'elves' will be free to your home during the second week in December. If you have friends off island and think they would want a tree, help them out by purchasing one for them too. All trees must be paid for in advance. Each tree is \$60. Pay at the high school office with a check payable to KHS (Kwajalein High School). Questions? Call 52011. Roi residents can also order trees. Tony Stephens is the contact on Roi or call 52011.

payout. Windfall completion at 24 numbers with a \$1,400 payout. Must be 21 to enter and play.

IN AN EFFORT to better serve the golfing community, Pro Shop merchandise sales, club rental, and daily/monthly greens fee payment operations will transfer to the Country Club Bar. The effective date is Wednesday. Sales will be conducted during Country Club Bar normal hours of operation. On Tuesday and Thursdays, when the Country Club is closed, patrons can make rental and payment arrangements with Bob Butz, 53768, or Community Activities, 53331, during regular business hours. The driving range will be free and range balls will be available on range tee for anyone's use Tuesdays through Fridays after 5:30 p.m. Questions? Call Community Activities Office, 53331.

SURFWAY WILL BE closed Thursday and Oct. 31 for Inventory. The last day for department transfers will be accepted is Saturday. Questions? Call Ray Denham, 53607.

NAMO WETO Youth Center invites all island youth and teens to 'Go Green,' an island clean-up day promoting island beautification and recycling awareness at 10 a.m., Nov. 1. Questions? Call 596.

MARK YOUR CALENDARS. The Vets' Hall Halloween Bash will be 8 p.m.-2 a.m., Nov. 1. Drink specials and costume contest with prizes. DJ Skorpion will provide music.

The CYS sports program presents a punt, pass and kick event Nov. 3. Five age groups (8-9,10-11,12-13,14-15,16-18) are eligible to participate in co-ed football skills contests based on distance and accuracy. Only tennis shoes allowed (no cleats). Registration is 8-9 a.m. Football skills clinic is at 8:30 a.m. Punt, pass and

kick event starts at 9 a.m. Call 53796 for event info.

SURFWAY PRODUCT SURVEY is being conducted now thru Nov. 4. This survey will assist retail management in determining what products you would like us to carry at Surfway. Survey forms are available at Surfway, Retail Services Office next to the Bowling Center or follow this USAKA Web Link <http://usakaweb.smdc.smdc.army.mil/com/retail/survey20081008>. Completing this Product Survey gives you a chance at winning a dinner for two at our next Mobile Kitchen event at Emon Beach.

THE NEXT MOBILE KITCHEN event is Nov. 8 on Emon Beach. Menu to include salmon cakes, garden salad, coconut shrimp, basmati rice, vegetable, lemon desert, beer and wine. Cost is \$30 for meal-card holders and \$35 for non meal-card holders. For payment, see Maria Pimenta at the Retail Office in Building 805 next to the Bowling Center.

THE YOKWE YUK Women's Club invites you to an elegant wine and cheese event featuring a silent auction of unique baskets filled with items not found on Kwaj just in time for Christmas. The event will be 7-9 p.m., Nov. 16, at the multi-purpose room. Tickets are \$15 and can be purchased Monday and Nov. 10 at the AAFES porch. Tickets can also be purchased at the Craft Fair Nov. 3.

THE CHILD AND YOUTH SERVICES School-Age Program will be sending out questionnaires to all families who have utilized our programs and/or services for our upcoming accreditation process. Take a few minutes to complete and return the family questionnaire by dropping it off at the drop box in front of the post office or at the Central Registration Office, Building 365. Questions? Call 55904.

# Five servicemembers die in War on Terror

**Spc. Justin A. Saint**, 22, of Albertville, Ala., died Oct. 15 in Baghdad, Iraq of injuries sustained in a non-combat related incident. He was assigned to the Special Troops Battalion, XVIII Airborne Corps, Fort Bragg, N.C.

**Sgt. John M. Penich**, 25, of Beach Park, Ill., died Oct. 16 in Karangol Village, Afghanistan of wounds suffered from indirect fire. He was assigned to the 1st Battalion, 26th Infantry Regiment, 3rd Brigade

Combat Team, 1st Infantry Division, Fort Hood, Tx.

**Sgt. Federico G. Borjas**, 33, of San Diego, Calif., died Oct. 16 in Bermel District Center, Afghanistan of wounds suffered from small arms fire during a dismounted patrol. He was assigned to 416th Civil Affairs Battalion, 351st Civil Affairs Command, San Diego, Calif.

**Spc. Heath K. Pickard**, 21, of Palestine, Texas, died Oct. 16 in Balad, Iraq of wounds suffered when he re-

ceived indirect fire in Baquaba, Iraq. He was assigned to the 1st Battalion, 5th Infantry Regiment, 1st Brigade Combat Team, 25th Infantry Division, Fort Wainwright, Alaska.

**Capt. Robert D. Lindenau**, 39, of Camano Island, Wash., died Oct. 20 in Charbagh, Afghanistan of wounds suffered when a rocket-propelled grenade struck his vehicle. He was assigned to the 91st Civil Affairs Battalion, 95th Civil Affairs Brigade (Airborne), Fort Bragg, N.C.

## SCOUTS from Page 3

operators wait for an answer which could come from anywhere in the world.

Dayna Wiley, Cub Scout secretary, said, "We weren't able to do this last year, but the year before, we were able to converse with operators on the *USS Missouri* and we'll have to see who we get to talk to this year."

With the assistance and expertise of ham radio operator Robert Struppeck, Kwajalein Cub Scout Troop 135 joined in the Jamboree from the Kwajalein Amateur Radio Club Ham Shack. It is Struppeck's first year doing the Jamboree with the Scouts. He became active with the Kwajalein Amateur Radio Club three months ago.

Although he has only been with the club for three months, Struppeck has been a ham radio operator for 12 years. His 'call sign' on Kwajalein is V73RS. The Ham Shack call sign is V73AX.

Struppeck explained, "The tradition we adopt is to take our initials and add them to V73 which denotes Kwajalein. V7 is the Marshall Islands and V73 is Kwajalein Atoll. By looking at people's call signs, you can tell which country they are in."

He said that besides being a place for amateur radio operators, the Ham Shack was part of 'MARS,' which is an emergency system that would serve the important function of communication in case of a natural disaster or some other occurrence that might cause Kwajalein to lose all other means of communication. Struppeck told the Scouts that in the past, Morse code was the only way radio operators could talk to each other.

"Before they figured out how to put voices on the radio, the dots and dashes were the only way to communicate over radio," he said. "But now, digital communication is

quicker and more reliable than voice."

Struppeck showed the Scouts how the digital radio station deciphered the digital signals and showed them as text on the display screen. It lets the operator see the message as well as hear it.

Jim Riley, a member of the radio club who has been instrumental in meeting technical challenges, thinks the Ham Shack has been in existence since the 1960's.

"At one time, this was the only way anyone could communicate with anyone back home. People who lived here would have to make appointments at all hours of the day and night to be able to talk to anyone," he said.

Riley has been involved in ham radio since he was in high school in the '70s.

"I didn't do it for several years, but when I knew I was coming out here, I got back into it," he said. "This is really an interesting location to do this from. Anyone you talk to is going to be in some weird, out of the way place you would normally never talk to if you were in the states."

He added, "You're very much in demand because everyone wants to talk to Kwajalein because it's such an unusual place to talk to. We're considered a rare station."

Riley continued that, "The antennas here are really nice and they're high up. It's very quiet here and there's no interference. You can talk to people anywhere in the world from here. You can easily talk to Europe — basically the other side of the planet. I mean, Japan is like being next door. When the earthquake in China happened recently, we picked up a lot of communications from there.

During their time at the Ham Shack, the Scouts 'heard' from operators in Argentina, New Caledonia, Japan and the United States.

### Weather courtesy of RTS Weather

**Saturday:** Partly sunny, 20 percent showers. **Winds:** ENE at 8-14 knots.  
**Sunday:** Partly sunny, 30 percent showers. **Winds:** E at 7-12 knots.  
**Monday:** Partly sunny, 30 percent showers. **Winds:** NE-E at 10-17 knots.  
**Tuesday:** Mostly cloudy, 60 percent showers. **Winds:** E-SE at 8-14 knots.  
**Wednesday:** Partly sunny, 20 percent showers. **Winds:** ENE-ESE at 7-12 knots.  
**Thursday:** Mostly sunny, 20 percent showers. **Winds:** NE-E at 8-12 knots.  
**Oct. 31:** Mostly sunny, 20 percent showers. **Winds:** NE-E at 8-12 knots.

Annual total: 67.54 inches  
 Annual deviation: -11.22 inches

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

### Sun • Moon • Tides

	Sunrise/set	Moonrise/set	High Tide	Low Tide
Saturday	6:39a.m./6:47 p.m.	3:19 a.m./3:45 p.m.	1:50 a.m., 3.6' 2:25 p.m., 3.6'	8:11 a.m., 0.0' 8:25 p.m., 0.3'
Sunday	6:39 a.m./6:47 p.m.	4:06 a.m./4:24 p.m.	2:29 a.m., 3.8' 2:54 p.m., 4.0'	8:41 a.m., 0.2' 9:01 p.m., 0.1'
Monday	6:39 a.m./6:47 p.m.	4:53 a.m./5:04 p.m.	3:02 a.m., 3.9' 3:22 p.m., 4.3'	9:08 a.m., 0.5' 9:33 p.m., 0.3'
Tuesday	6:39 a.m./6:47 p.m.	5:40 a.m./5:44 p.m.	3:32 a.m., 4.0' 3:49 p.m., 4.6'	9:08 a.m., 0.4' 9:33 p.m., 0.3'
Wednesday	6:39 a.m./6:47 p.m.	6:29 a.m./6:27 p.m.	4:01 a.m., 3.9' 4:15 p.m., 4.7'	9:58 a.m., 0.5' 10:32 p.m., 0.5'
Thursday	6:39 a.m./6:47 p.m.	7:18 a.m./7:11 p.m.	4:28 a.m., 3.8' 4:41 p.m., 4.6'	10:23 a.m., 0.5' 11:01 p.m., 0.5'
Oct. 31	6:39 a.m./6:47 p.m.	8:09 a.m./7:59p.m.	4:55 a.m., 3.6' 5:07 p.m., 4.5'	10:48 a.m., 0.4' 11:30 p.m., 0.3'