

THE KWAJALEIN HOURGLASS



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community
healthy**

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(Photo by April Brown)

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Traditions from around globe, celebrated here

Mele Kalikimaka, Zelig Kerstfeest, ¡Feliz Navidad!, Zelig Kerstfeest, God Jul, Ge-seënde Kersfees, Danrstayohihv, Happy Hanukkah and Merry Christmas.

All are holiday greetings from around the world and because of the diverse population on Kwajalein and Roi-Namur, some of the greetings are heard here.

Kwajalein has become a melting pot with people from Africa, France, Scotland, Haiti, Australia, the Philippines, Hawaii, Japan, the United States and many other countries. Along with different ways to say Merry Christmas, residents with different roots have brought their own special holiday traditions to the islands.

"[Hanukkah] is a fun holiday steeped with family tradition," said Katherine Lollar, originally from North Africa.

Hanukkah commemorates the miracle of the oil that burned for eight days. The word Hanukkah means rededication, she said.

She was sure her mother cooked Moroccan dishes when she was younger, but Lollar said that her family now celebrates a traditional Hanukkah. They now have *latkes* with applesauce and sour cream and there is always *glet*, the chocolate coins.



"We play *Dreidel* and have presents for eight days," she said. "And we light the *Menorah* every night."

In Germany, Saint Nicholas brings gifts on Dec. 6 and homes are decorated with candles in the windows and an *Adventskranz*, which is a wreath with four candles.

Fellow reporter, April Brown, who lived in Germany, remembers putting her shoes out to be filled with gifts.

In Spain it is the Three Wise Men who come on Jan. 5. Children put their shoes outside the front door and shoes are filled with gifts and candy, which I learned from a Spanish exchange student who lived with us over 15 years ago in California.

"French Christmas tradition is pretty much similar to what we see in the States although less commercialized," said Stephan F. Notarianni, originally from France. "Trees are lit up and streets are decorated. The Christmas spirit is really more geared towards children."

Notarianni added that they follow some of the French traditions on Kwajalein.

"[Our] Christmas Eve dinner, *reveillon de noel*, is still a big tradition, bringing the families together. Midnight mass is also well attended," he said.

In Australia, Christmas is more eating and spending time with the family and friends.

"To us it is hanging around the dinner table," said Australian Sharon Kay. "Everything happens around the table. The kids get the presents and the adults have the big feast."

A Hawaiian Christmas is similar to the western Christmas, said Yvonne Duarte.

"We treat it as a big birthday," she said, explaining that the celebration is a luau with *kaluha* pig and *poi* and hula dancers choreograph Christmas carols.

"We [still] do the whole nine yards," she said.

In Haiti, children fill their shoes with straw and placed them on the porches and they are later filled with gifts.

"Looking back 30 years, I will say that the Christmas holiday traditions back in my native country are not different than the traditions I have come across in the states," said Eveline Pierre-Mike from Haiti.

"We used to decorate the tree, sing Christmas carols, exchange gifts, and attend the midnight mass with friends and family.

In Japan, *Hoteiosho*, a Japanese god brings the gifts and since he has eyes in the back of his head he can see how the children of Japan behave.

Christmas is not as big of a celebration as New Years is in Japan, although some families put up small Christmas trees, said Shigeko Jackson, But "New Years is the big one."

Prior to New Years, they clean their homes for three days and put everything in order. On New Years day everybody takes off work and people go to shrines and pray for health and happiness, she said.

Jackson said that she still cooks traditional foods like *moochi*, which is a sticky rice cake, shrimp, fish cakes, mashed sweet potatoes and chicken and then for three days all anyone does is eat and sleep.

The traditions local residents still follow may be different, but the basis of each is the same — the family.

I also still follow some of the same traditions that I enjoyed while I was growing up.

In my home it varied from a traditional Western Christmas to respect for my Native American heritage. Our traditional Christmas breakfast was wild onions and eggs, something we only got around the holidays, and as I grew older "sweats" were something which each family member was encouraged, but not required to do.

"Sweats" are a Native American religious ceremony and a special dish was served at my home during the December holiday season — cold acorn soup and fry bread which we got after the "sweat."

The soup I have never been able to recreate, grandma never gave up the recipe, and finding acorns on Kwaj? Well, stranger things have happened before.

The night before Christmas, I can remember eating fry bread with my grandmother. She would tell ancestral stories and she taught me our native tongue, as she had done with all the rest of family, as they grew up.

I'm planning on making fry bread this year on Kwaj.

As the holidays approach, people on Kwajalein make final preparations to ensure a happy and healthy holiday and with diverse cultures and ideals so are the celebrations diverse, but one thing rings true, it is all about family and friends.

Marshallese Word of the Day

bon - night

The Kwajalein Hourglass

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The *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 USAKA. Contents of the *Hourglass* are not necessarily official views of, or endorsed by, the U.S. Government, Department of Defense, Department of the Army or USAKA. It is published Tuesdays and Fridays in accordance with Army Regulation 360-1 and using a network printer by Kwajalein Range Services editorial staff, P.O. Box 23, APO AP 96555.

Phone: Autovon 254-3539; local 53539.
Printed circulation: 2,000

Former editor experiences South Pole eclipse

Editor's note: Peter Rejcek, former Hourglass associate editor, left Kwajalein in December. He is currently working at the South Pole Station in Antarctica.

On Nov. 24, he was in the position to document a partial eclipse of the sun at the Pole.

The next partial solar eclipse which Kwajalein Atoll residents can experience will take place on April 8, 2005, according to Earthview Web site: www.earthview.com.

By Peter Rejcek
South Pole Correspondent

As the moon slid almost imperceptibly in front of the sun starting at about 11:35 a.m., Nov. 24, residents at the bottom of the world, wearing paper sunglasses and bulky red or green parkas or beige Carharts, 'oohed' and 'ahhed' as the clear blue sky grew somewhat overcast at the South Pole.

"Being at the South Pole is pretty unique. Seeing an eclipse at the South Pole is doubly fun," said Al Baker, Raytheon Polar Services Science Support coordinator, who organized a viewing of the "solar spectacle" at the Balloon Inflation Facility.

Those who ventured to the BIF or elsewhere at the station in weather as cold -38 degrees Fahrenheit, with a wind chill of more than -60 degrees Fahrenheit, witnessed a rare spectacle, according to Baker. Only 68 total eclipses will occur this century, he said. Monday's eclipse at Pole was about 87 percent, he added.

The effect, while not the complete darkness that perpetually shrouds the station during the winter months, was both eerie and awe-inspiring. It even drew a few wry comments.

"It looks like a giant lemon cookie someone took a bite out of," observed Polie Rudy Haberl as the moon first began to creep across the sun.

Tom Piwowarski provided this description of the event: "It looks like nature gave the sun a black eye."

Polies gathered collectively and



from left to right, Dave Nastrom, Larry Gullingsrud and Chuck McClellan devise different ways to view the eclipse from the vantage point of the Balloon Inflation Facility at the South Pole.

(Photo by Peter Rejcek)

alone, with most congregating at BIF and the ceremonial pole — the ceremonial pole is used as a backdrop for photos and the geographic pole is located nearby. A film crew with National Geographic filmed the event. Others viewed the total eclipse from the warmer confines of the elevated station.

About 150 viewing glasses — not unlike those 3D glasses handed out in movie theaters, but with nearly opaque lenses instead of the funky red and green ones — were handed out the morning of the solar spectacle in the galley and around station. Currently, there are more than 230 people on station.

Dave Tashner, a carpenter on swing shift, when work begins at 2 p.m., was up before 10 a.m. to snag one of the last pairs of viewing glasses from Polie Mary Baker, who was distributing them in the new galley.

"I got up to make sure I got sunglasses," he said, adding that he wasn't quite sure where he was going to view the eclipse.

Hours before the event, electrician Mountain "Eagle" Miller was already devising how and where he would get his eclipse pictures.

"I want to get the eclipse with part of the station behind it," he said during a stop at the new galley, a half-torn

pair of viewing glasses in hand that he planned to use as a filter for his camera.

Polar science mainly took a backseat to pleasure for this celestial event — Baker said station scientists had no official plans to gather data.

"Most of our equipment is in maintenance right now, so we're going to enjoy it like the rest of the world," he explained.

Normally, Baker added, a total eclipse like Monday's is a rare opportunity for scientists to study the sun's corona, the outermost region of the solar atmosphere. "It's about the only time you can see the corona, because the sun's so bright you can't see it."

Unofficially, Pole scientists at the Astronomical Submillimeter Telescope/Remote Observatory in the Dark Sector are going to take a peek and see what they can find.

"We might as well take some data," said Nick Tothill, winter-over scientist-in-residence. "We might get a couple of interesting bits."

Eclipses have been recorded throughout history and many ancient civilizations, such as the Chinese, developed methods to predict them. Polie Julianne "Jules" Harnett couldn't help wonder at the terror that such an event could inspire in ancient peoples.

"They must have wondered, 'Would [the sun] ever come back,'" she conjectured.

Shortly after 12:30 p.m., the moon continued on its way and, indeed, the sun returned with perfect blue skies once again over the South Pole.

"Polies" or residents, of the South Pole Station in Antarctica, gather at the ceremonial pole to take pictures of the eclipse on Nov. 24.



(Photo by Peter Rejcek)

Food inspector helps guard local public's health

By April Brown
Reporter

When a customer enters Surfway or Gimbel's for their weekly grocery shopping trip, they may pick up any number of items. As they pass down the aisles, they grab a carton of milk, a box of Cheerios and a bag of fresh lettuce. Customer's can rest easy about the healthfulness of each item because they are carefully inspected before being released to the public. That inspection and the procedures for handling all food brought on island are the responsibility of Pat Zurick, Food Sanitarian.

Zurick's position falls under the hospital's jurisdiction due to the critical importance his work has toward public health, said Eric Lindborg, Kwajalein Hospital Chief Medical officer.

"We end up having centralized receipt of food, food materials and centralized preparation monitored, so it makes sense that it's a public health concern," Lindborg said, adding that Zurick's background matches the position's requirements.

His background includes being responsible for Arizona's state-wide food safety program as the Manager of Food Safety and Environmental Services for the Arizona Department of Health before coming to Kwajalein. Zurick is currently a registered Food Sanitarian in the state of Arizona and is required to reregister every single year.

Similar to a county health inspector stateside, Zurick's job is all inclusive, from inspecting the food that comes in on planes to checking the food handling procedures in restaurants.

Perishable items, like dairy and produce, arrive up to three times a week on the ATI and C141 flights.

"I inspect all of the food that arrives on island on the plane," he said. "Whenever a plane shows up with food there are a lot of people involved in the process, especially cold storage. We've been out there at midnight, on Christmas Eve. Whenever food arrives, we all have to be there."

After items are removed from the plane, Zurick starts his inspection of the food.

"I choose the warmest spot on

the plank and take the temperature of the food," he said, explaining that any food that isn't at the required temperature is discarded.

"There are certain products that have to be at a certain temperature," he said. "We call these potentially hazardous foods. If they're not at the right temperature they can grow pathogens, such as harmful bacteria, that can make people sick."

Food also arrives on the barge every four weeks in refrigerator and freeze vans that are computer monitored. The computer records the temperature inside of the van once an hour, 24 hours a day. Zurick checks the data to verify that frozen foods didn't thaw and refreeze on the trip.

"We have a standard [temperature] for chilled food. If food goes a certain length of time above the standard, we reject it," Zurick said. "The barge before this one, an entire van of eggs [was discarded]. The van had been turned off, so the temperature rose above the standard. It's taken very seriously."

Zurick also does a visual inspection of food and checks the quality of food the island is receiving.

"Before the food is released to all of the facilities, like Surfway, Ten-Ten or Gimbels, I make sure the food is fit for consumption," he said. "We have rejected a lot of food because of temperature."

His job doesn't stop there, thanks to the Performance Work State-ment], the contract between the Army and KRS. Zurick's job requires him to follow the Army's food regulations. Very similar to the Food and Drug Administration's food code in the U.S., the Army's regulation also determines how frequently facilities are inspected and how they should be operated.

Each facility falls under a certain inspection cycle: monthly, quarterly, once every six months. Some



LEFT: Pat Zurick, Food Sanitarian, visually inspects produce which arrived Thursday. COVER: Zurick checks the temperature of one bottle of chocolate milk from a case arriving by ATI.

(Photo by April Brown)

facilities on island are inspected once a month, like Sunrise Bakery, Café Roi, and any other place that prepares and serves food. Establishments like Ten-Ten, that don't physically prepare the food they sell, are inspected quarterly.

"If one of them really starts doing bad I can move them from semi-annually to quarterly to monthly," he said.

Zurick doesn't just do a visual inspection of these facilities. To verify that all regulations are followed, Zurick takes food temperature, inspects cleaning products and observes how servers handle food.

Zurick checks employees personal hygiene, like hand washing and whether they consume their food in the break room or if they eat and drink over food that is served to others. He also checks the temperature at which potentially hazardous foods are being maintained.

"At cafes I'll go along the serving lines and take the temperature of the food," he said. "If food isn't kept at the proper temperature it's discarded and reported."

Zurick also checks the sanitation of counters and cutting boards as well as the heat of the water in the dishwashers.

"What we really concentrate on is what can make people sick," Zurick said.

Food inspectors use the Hazard Analysis Critical Control Point approach to food safety which is a combination of proper food handling procedures, monitoring techniques and record keeping, he said.

"The whole mood in food safety is defining what are the critical places to look, to protect the public," he

(See TEMPERATURE, page 5)

Food not at correct temperature is discarded ...

(From page 4)

said.

In facilities where food is prepared, cooks are required to keep log books and document the temperature of the foods they're cooking to make sure they meet the standards, Zurick said.

"It's a good reminder for the cooks," he said.

Different foods have different minimum temperatures that they must be cooked at. The minimum temperature is how hot the food must get to kill all pathogens that might exist, he said.

Zurick also teaches the National Restaurant Association's ServSafe which is a training course in food safety.

"The PWS requires that we have managers that are ServSafe, or equivalent, qualified," he said.

Inspectors from Tripler Army Medical also come once a quarter to do their own food inspections, Zurick said.

Zurick keeps both the inspections and his skills current.

"Each year I've been going back TDY to California and Arizona and I go out with their inspectors and do inspections to stay current, see what they're doing and make sure our inspections are current," Zurick

said. "Teaching the [ServSafe] class also keeps me current."

Zurick's thorough inspections offer a sense of comfort to the community, Lindborg said.

"It allows us to take for granted that things available for consumption are safe," Lindborg said. "One can derive assurance that with some of the most rigid standards available that our food is inspected and safe as it can get."

Zurick can do spontaneous inspections at any time during business hours. The facilities know there is an inspection scheduled for that month but they do not know when it will happen.

"We are being inspected more often than ... in the U.S.," Zurick said.

In the U.S. a public restaurant is usually inspected once every six months but inspections here are done once a month for the main facilities, he said.

"With our location we can't afford to have a major problem, we can't afford for people to get sick," Zurick said. "If you have 100 people sick, that affects a mission, especially with the majority of our people being workers and that's a major strain on our medical facilities. That's why there's so much atten-

tion on food safety."

Zurick's inspections are not isolated to Kwajalein though.

"I do Roi, I go to Meck," he said. "Anywhere in USAKA where they're serving food, I can inspect."

Zurick inspects all of the cafes on each island as well as Surfway, Gimbel's, the Country Club, the Yokwe Yuk Club and the Third Island store on Roi. He also inspects the Child Development Center since they serve snack food to the children and the Barber and Beauty Salon.

"They don't do food but I check to see that they're cleaning the clippers, sweeping the floors," he said.

In addition, Zurick inspects the ice machines at the Small Boat Marina, food warehouses and the Vending Machine Operations.

"I'm also involved when food gets old in a warehouse," he said. "If there is a question I'm called. They're very good about it."

Lindborg believes that the level of inspection provides more safety for the local community thanks to Zurick's attentiveness.

"In the case of food borne illness, there are far less risks here than any community back in the states," he said.

Last month is hottest, 4th driest Nov. on record

By Kris White
RTS Weather

By the time the last few seconds of November had ticked away, Kwajalein had posted an average temperature of 83.9°F, which is 1.9°F above normal. In fact, the month will go down as the hottest November since the military began keeping temperature records here in 1946.

On the warmest days, Nov. 25 and 26, the mercury topped out at 90°F. The coolest temperature was 77°F, which occurred during a heavy shower event, Nov. 15.

You have to go back to May of last year to find an equivalently warm month, when temperatures also averaged 83.9°F. You have to go back over 44 years to find a warmer average monthly temperature; August 1959 averaged out at 84.2°F.

Continuing an above normal trend that began in February, the sea-surface temperatures in the vicinity av-

eraged 85.4°F, which is 1.3°F above the long-term average. Since ocean surface temperatures are largely responsible for regulating climate in the west-central Pacific, warmer than normal air temperatures have resulted.

There weren't many rains to cool the air either. The weather station recorded only 4.14 inches of precipitation for the month, 6.60 inches below normal. Only three other Novembers have been drier; 1972, 1973, and 2002. For weather fans, the wettest November occurred in 1957 when 19.51 inches of precipitation fell, and the driest November was 1973 when the weather station recorded 3.51 inches.

Last month, Kwajalein had less than normal wind with an average of only 10 mph. The normal monthly wind speed for November is 12.8 mph. Kwaj normally sees a gradual return to the trade winds, easterly winds

found near the earth's equatorial regions, in November. However, 10 days occurred in which the winds averaged westerly in direction.

Scientists announced earlier in November that a return to at least weak *El Niño* conditions looked likely in the central Pacific. Perhaps this helps to explain the strange weather we've had recently. We just emerged from *El Niño* conditions earlier this summer, and now we may be right back in the thick of it again. Normally, we do experience relatively dry conditions following an *El Niño*, and we experience weaker than normal winds preceding an *El Niño*. That may explain the occurrence of both of these phenomena during the past month.

If the trend toward *El Niño* conditions does persist into December, we can expect a continuation of drier than normal weather and lighter than normal winds.

Sharks of Kwajalein Atoll

One of nature's most
elusive sea creatures

(First of three-part series)

By Paul Hubert
Special to the Hourglass

Sharks are unpredictable animals, so most of my statements about their behavior contain words like "usually," "might," and "should." If you see a sentence that does not use one of these words, it is a mistake. All the stories that follow are true, but any interaction with sharks is dangerous. If you do not treat sharks with respect, you may be killed or maimed.

The first time I saw a shark, I was unnerved. I was snorkeling with my underwater camera, watching the colorful reef fish as they drifted in and out of the coral. As the warm water gently rocked me to and fro, I glanced up from the peaceful scene and saw the sinister form of a shark slowly swimming toward me. The first tendrils of fear crept up my spine.

Hoping the shark would go away after I got a picture, I tried to stay calm as I focused the camera to 20 feet. When I looked up, the shark was closer, about 15 feet. I reset the focus and looked up again to the shark 10 feet away and closing.

The photo assumed a lower priority as I glanced to shore to see how far away it was. It was very far away. By then I was just plain scared. I looked back at the now kissing-close shark, intended to stuff my camera in its mouth, then make a break for shore.

Even though my position in the food chain was suddenly debatable, I couldn't help but admire the sleek businesslike proportions of the



(Photo by Richard Dixon)

Nurse sharks are the most inoffensive of the species found around Kwajalein Atoll. They can generally be found snoozing on the sandy bottom of the lagoon.

shark. Just as I was getting ready to feed it my camera, the shark slowly turned and swam away with the confidence of a king, leaving me shaking slightly.

Thus began my fascination with the sharks of Kwajalein. My other passion as a spearfisherman has enabled me to closely observe several species of sharks over the ... years. Here's what I have learned about them. —Author's note.

Part I

There are many species of sharks in the waters of Kwajalein Atoll, but divers are most likely to see only four of them: the white-tip reef shark (*Trianodon obesus*), the black-fin reef shark (*Charcharitrius melanopterus*), the nurse shark (*Gynglymostoma cirratum*) and the grey reef shark (*Charcharinus amblyrhinchos*).

White-tip sharks

The white-tip reef shark is probably the most frequently encountered shark in these waters. That's because it typically stays near coral in 30 to 60 feet of water, and so do most divers. This shark is grey above, white below, and has conspicuous white tips on fins and tail. The body usually has several black spots scattered around the dorsal region. Maximum length is around 7 feet, but most are closer to 5 feet — although personal excitement can add considerably to this dimen-

sion.

White-tips are almost never found far from the coral; they usually swim within inches of the bottom. They are very well-equipped to feed on the bottom in the maze of cracks and crevices of the coral and can unerringly find fish hiding there that have escaped from a spear.

Sometimes white-tips rest, motionless, on patches of sand in a surge channel, or inside a coral cave. Usually, when they are resting on open sandy areas, they cannot be approached closely, but when they are resting under coral, they can often be approached closely enough to touch (not recommended).

White-tips generally ignore divers or investigate them with a cursory approach, perhaps circling once or twice. While this may be unnerving to the divers, these sharks pose little threat and are most unlikely to become aggressive. However, in areas frequented by spearfishermen, white-tips may follow divers, hoping for an easy meal. They may approach divers very closely, to the point of contact, but a sharp rap on the snout will usually send them skittering away.

Spearfisherman who carry their catch with them underwater (not recommended) will become well-acquainted with the white-tip, which will persistently search for

the source of blood and gradually become bolder as it searches.

White-tips are commonly eaten by other sharks, such as tigers and silver-tips, which may explain their inoffensive behavior.

Familiarity breeds contempt, but no matter how many of these sharks a diver may see, it is wise to bear in mind that white-tips have bitten people.

Black-fin reef sharks

Another common shark in the waters of Kwaj is the black-fin reef, locally called "black-tip." (A different species of shark, *Charcharhinus limbatus*, common on the U.S. East Coast, is properly called "black-tip.")

My vote for the most attractive shark in our waters goes to the black-fin reef sharks. They are brown above and white below, with conspicuous black tips on their fins. The rear edge of the tail is black. The black tip on the dorsal fin is accented by a pale band below it. A pale, V-shaped, lemon-yellow stripe runs along the shark's side, tapering to a point behind the pectoral fins. These sharks rarely grow larger than 5 feet, and the maximum size is probably less than 6 feet.

Black-fins are sharks of shallow water. They seem to prefer water about 10 to 20 feet deep, though they sometimes venture out over the drop-off. Very often, adult

black-fins will cruise water less than 6 inches deep, exposing their fins, tail, and back to the air, especially on an incoming tide.

These sharks have nervous dispositions. They are very difficult to approach and usually dart away at the first movement of the diver. However, they will occasionally investigate a diver, especially if he or she is hidden. While they are attracted to spearfishing activities, they usually do not approach very closely, but dart around the diver, staying about 50 feet away.

After much trial and error, I was able to photograph a black-fin by free-diving behind a piece of coral after spotting the shark from a distance. Its curiosity piqued, the shark would slowly swim to me, only to flee when it caught sight of me. These are my most highly prized shark pictures because they were so difficult to get.

Nurse sharks

Nurse sharks are the most inoffensive sharks in these waters. These lethargic, pot-bellied sharks spend their days snoozing in caves and holes in the coral reef. At night, they prowl the bottom, feeding on such slow-moving prey as octopus and conch. As a result of the good life, they are fat, and when they move quickly, their whole body jiggles.

Nurse sharks, which can attain a length of 10 feet, are tawny brown

above and off-white below. The upper tail lobe is much longer than the lower lobe, while the two dorsal fins are nearly equal in size. The head is shaped like a tadpole's, and there are two small barbels below each nostril.

The teeth of the nurse shark are uniquely shaped. They are broadly triangular and arranged in several rows, forming a pad used to crush the shells of the mollusks that form the bulk of the nurse shark's diet.

As they lie motionless in the coral, nurse sharks make a tempting

On a few occasions, nurse sharks have become extremely agitated ... They bolted from their lair and furiously darted around the reef, shaking like a bowl of jelly the whole time.

target for divers to harass — but a word of warning. They don't bite often, but when they do, nurse sharks are very tenacious. In Tahiti, nurse sharks, along with turtles and other reef denizens, are kept in village pools. Children swim with the sharks and hitch rides by grabbing their pectoral fins. Occasionally, however, a shark's patience is exceeded, and it will bite a child. When this happens, the shark usually has to be killed to release the child.

On a few occasions, nurse sharks have become extremely agitated when my dive party approached them. They bolted from their lair and furiously darted around the reef, shaking like a bowl of jelly the whole time. No one in our party had done anything to pester the sharks, but they were obviously unhappy with our company.

Grey reef sharks

In contrast to the sluggish nurse sharks, the sleek, powerful, grey reefs are the most imposing sharks commonly encountered at Kwajalein Atoll. Grey reefs are among the most studied sharks because of their trademark posturing. They will be the subject of Part II of this series on Friday, Dec. 12.



(Photo by Richard Dixon)

The white-tip shark is fairly easy to distinguish by the conspicuous white tips on its fins and tail. They are generally found near coral at 30 to 60 feet of water.

Roi's water trampoline almost ready for installation

By April Brown
Reporter

An inflatable water trampoline is about to become the newest addition to Roi-Namur's recreational outlets.

Installation and testing is planned for the beginning of next week and the trampoline should be available for use by the end of the week if all goes well, said Simone Smead, Community Activities manager.

The plan is for it to be "placed to the east of the Parrothead, to the right of the small boat ramp," said Mike Ellison, Roi-Namur Community Activities superintendent. "That's the only place we could find that's deep enough in low tide."

A water trampoline serves a similar purpose as a regular trampoline; a fun place to play and jump around

on, except it's in the water. For the adults on Roi, Ellison believes it will also serve as an escape.

"People can kayak or swim out there and relax by themselves or with friends," he said.

A water trampoline is similar to a large inflatable tube, except its 25 feet in diameter and four feet tall. A minimum of 10 feet of water is required, even in low tide, for a piece of equipment like this, Ellison said. The trampoline is equipped with an Aqua Jump, which residents can use to catapult each other on and off of the trampoline, and a Log Roll, a long tube in the water that rolls when someone tries to run on it. However, no flips or somersaults are allowed.

The trampoline is anchored but rests on top of the water and comes with

ladders attached to the sides, which prevents people from using it during potentially dangerous times, for example when there are ski boats in use near the trampoline, Ellison said.

Once the trampoline is installed and tested and open for use, residents will use it as a place to gather during daylight hours, Ellison said.

"Everyone is really excited about it," he said. "Mainly it's going to be a hangout for people, a place to lie out and get a tan."

There are safety rules and regulations posted for the trampoline's use, Smead said, explaining that kids must be a minimum of 6 years and that 6-15 year olds must be accompanied by two adults over 18. The trampoline will be under the auspices of the Roi Small Boat Marina, 56234.

Gil and Schuett take KGA Open's low gross scores

By Jan Waddell
Reporter

The Kwajalein Golf Association's 33rd Annual Kwaj Open Golf tournament held Nov. 6-15, had Rudy Gil taking the Men's Low Gross and Linda Schuett winning the Women's Low Gross.

Schuett also won the Women's Low Net and the Sam Garland award, said Amanda Reed, KGA vice president.

Roger Reed took top honors in the Men's Low Net.

In the Men's A Flight, first place went to Russell Beniamina. Jim Corbett took second followed by Dave Villeneuve, Kenny Leines and Jim Rugg.

The Women's A Flight had Amanda Reed with a first place followed by Selentina Beniamina in second and third

place went to Pam Frase.

First place in the Men's B Flight went to Jeff Tucker with Pat Dowell taking second and Jerry Satake taking third. Fourth place went to junior golfer Matt Crane and Mickey Santorum took fifth.

Women's B Flight winners were Kim Parker in first, Cindy Ehart in second and Tina Bean in third.

Roger Reed took first place honors in the Men's C Flight with Brian Berling coming in second; Dick Lupton clinched third followed by T. Miyashiro and Andy Estacion.

In the Men's D Flight, first place went to Alan Uda. Dave Harris took second and Andy Havard took third. Fourth place went to Dan Morgan and Chris Keck took fifth.

Soccer Schedule

Friday, Dec. 5

5:30 p.m. Calvary United II/Sp. Boys Blue
6:45 p.m. Jabro Boys/Spartan Boys Red
8:00 p.m. Sp. Girls II/Sudden Rush

Saturday, Dec. 6

5:00 p.m. Sp. Girls I/Sp. Girls II
6:30 p.m. Kicked Back/Strikers

Tuesday, Dec. 9

5:30 p.m. Sp. Boys Red/Calvary United II
6:45 p.m. Fijian Connection/Calvary United I
8:00 p.m. Sp. Boys I/Fish

Wednesday, Dec. 10

5:30 p.m. Jabro Girls/Sp. Girls Red
6:45 p.m. Kicked Back/Sp. Girls II
8:00 p.m. Sudden Rush/Sp. Girls I

Thursday, Dec. 11

5:30 p.m. Sp. Boys I/Fijian Connection
6:45 p.m. Sp. Boys Blue/Jabro Boys
8:00 p.m. Abyss Football/Calvary United I

Friday, Dec. 12

5:30 p.m. Calvary United II/Hacker's Angels
6:45 p.m. Calvary Girls/Sp. Girls Blue
8:00 p.m. Abyss Football/Locals

For up to date scores, schedules and officials, call the Sports Hotline at 54190.

Soccer Standings

(Updated Thursday, Dec. 5)

Men's A Division

Fijian Connection..... 5-0-3
Fish..... 5-1-2
Spartans Boys 1 4-3
Locals 4-3
Calvary United 1 1-7
Abyss Football 0-5-1

Men's B Division

Spartans Boys Blue 4-1
Spartans Boys Red 4-0
Calvary United II 2-2-1
Hacker's Angels 1-4-1
Jabro Boys 0-4-2

Women's A Division

Spartans Girls I..... 4-0-2
Kicked Back..... 3-2-2
Spartans Girls II..... 2-0-2
Strikers 2-4
Sudden Rush..... 0-5

Women's B Division

Spartans Girls Red 6-0
Spartans Girls Blue 3-2
Calvary Girls..... 3-3
Hacker's Doves..... 1-5
Jabro Girls 1-4

AFN KWAJALEIN

The TV schedule has changed to a grid format carried on the following four pages.

Weekend Movies on Channel 23

Sunday

9:00AM Twister
11:00AM Presumed Innocent

Monday

9:00AM Gross Anatomy
11:00AM White Men Can't Jump

All AFN programming is subject to change without notice. Certain sporting events are not available on Kwajalein's Direct-to Sailor AFN Pacific feed.

Window on the Atoll: CYS Babysitter Training

Saturday, Dec. 6

	Channel 9 AFN Pacific -delayed	Channel 13 AFN News- Sports	Channel 14 AFN News	Channel 17 AFN Sports	Channel 35 AFN Pacific-No delay	
12:00AM	The Late Show	Good Morning America	Good Morning America	NCAA Football 2003 MAC	24	
12:30AM	Access Hollywood				Day 2: 11 AM - 12:00 PM	
1:00AM	Movie				Headline News/Pac Rpt	
1:30AM	From Here to Eternity				Tonight Show with Jay Leno	
2:00AM		Headline News	Headline News	Sportscenter	Late Show with David Letterman	
2:30AM		World News This Morning	World News This Morning		Access Hollywood	
3:00AM	(:15) Movie	The Early Show	The Early Show	Rome is Burning	Movies 'Til Dawn Tora! Tora! Tora!	
3:30AM	Monday After the Miracle			Sportscenter		
4:00AM						
4:30AM						
5:00AM	Bulletin Board	Fox News	Fox News	Inside the NFL		
5:30AM						
6:00AM	Good Morning America	Primetime Thursday	Primetime Thursday	NHL TBA	Movie Love and Death	
6:30AM						
7:00AM		Fox News	Fox News			
7:30AM						
8:00AM	Today	Headline News	Headline News	ESPNNews	Today	
8:30AM		Inside Politics	Inside Politics	ESPNNews		
9:00AM				NFL Films Present		
9:30AM		Headline News	Headline News			
10:00AM	Dr. Phil	Lester Holt Live	Lester Holt Live	Around the Horn	The Simpsons	
10:30AM				Pardon the Interruption	Emergency Vets	
11:00AM	Oprah Winfrey	Headline News	Headline News	SportsCenter	The View	
11:30AM		NBC Nightly News	NBC Nightly News			
12:00PM	Window on the Atoll	ABC World News	ABC World News		CHiPs	
12:30PM	Judge Judy	CBS Evening News	CBS Evening News	NBA Shootaround		
1:00PM	Movie Tora! Tora! Tora!	NBA : Spurs/Magic	Newshour with Jim Lehrer	NBA Spurs at Magic	Charmed	
1:30PM						
2:00PM			Hannity & Colmes			Friday Night Fights
2:30PM						
3:00PM		The News with Brian Williams				
3:30PM	Powerpuff Girls	News with Brian Williams		NBA Timberwolves at Kings	Sportscenter	
4:00PM	Calilou	BET Nightly News	BET Nightly News			
4:30PM	Weekenders	Nightly Business Report	Nightly Business Report		WWE RAW (TV-14)	
5:00PM	Jeopardy!	Larry King Live	Larry King Live			
5:30PM	Access Hollywood					
6:00PM	Bulletin Board	Newsnight with Aaron Brown	Newsnight with Aaron Brown	Inside the NFL	Trading Spaces Family	
6:30PM	The Cosby Show			Air Force Football		
7:00PM	King of the Hill	Paula Zahn Now	Paula Zahn Now	Sportscenter	Headline News	
7:30PM	That 70's Show				Navy/MCorps News	
8:00PM	Survivor	Nightline	Nightline	NHL Coyotes at Flyers	Entertainment Tonight	
8:30PM	Pearl Islands	Pardon the Interruption	Army or AFTV			
9:00PM	24	Hardball with Chris Matthews	Hardball with Chris Matthews			
9:30PM						
10:00PM	Headline News	O'Reilly Factor	O'Reilly Factor		Headline News	
10:30PM	Tonight Show			One On One		
11:00PM		Dateline NBC	Dateline NBC	NFL Matchup	According To Jim	
11:30PM	The Late Show			Sportscenter	The Practice	

Monday, Dec. 8

Time	Channel 9-AFN Pacific Delayed	Channel 13 - AFN News-Sports	Channel 14 - AFN News	Channel 17 - Sports	Channel 35 - AFN Pacific No Delay
12:00AM	Live In Hollywood	Fox & Friends	Fox & Friends	Sportscenter	Movie continued
12:30AM					
1:00AM	The Entertainers			College Gameday	Headline News
1:30AM				NFL Live	Seinfeld
2:00AM	Sportscenter	CBS News Sunday Morning	CBS News Sunday Morning	Sportscenter	Meet The Press
2:30AM					
3:00AM	The Sports Reporters			Sports Reporters	Americas Black Forum
3:30AM	Sportscenter	Face The Nation	Face The Nation	Sportscenter	Entertainment Tonight
4:00 AM	Sign-On/Bulletin Board	Headline News	Headline News	Sunday NFL	
4:30AM		Navy/Marine Corps News	Navy/Marine Corps News		ESPNNews
5:00AM	Late Edition with Wolf Blitzer	Fox NFL Sunday	Late Edition with Wolf Blitzer		FOX NFL Sunday
5:30AM					
6:00AM		NFL Cowboys at Eagles		NFL Bengals at Ravens	NFL Cowboys at Eagles
6:30AM					
7:00AM	Fox News Live		Fox News		
7:30AM					
8:00AM	Clifford the Big Red Dog				
8:30AM	Franklin				
9:00AM	Wild Thornberries	NFL Chiefs at Broncos	CNN Sunday	NFL Jets at Bills	NFL Chiefs at Broncos
9:30AM	Fairly Oddparents				
10:00AM	Movie: Oh, God!		Meet The Press		
10:30AM					
11:00AM			Tim Russert		
11:30AM	The Simpsons				
12:00PM	Fox Report	SportsCenter	Fox Report	SportsCenter	Headline News
12:30PM		NFL Primetime			NFL Primetime
1:00PM	The Civil War The Cause	NFL Panthers at Falcons	This Week	NFL Panthers at Falcons	Dr Phil
1:30PM					
2:00PM			Dateline International #2		Oprah Winfrey Show
2:30PM	Café Video				
3:00PM	America's Funniest Home Videos		60 Minutes		Headline News
3:30PM					
4:00PM	WWE Smackdown		CNN Sunday Evening		Judge Judy
4:30PM		SportsCenter		SportsCenter	Critical Rescue
5:00PM	Andromeda		Larry King Weekend		American Chopper
5:30PM					
6:00PM	M*A*S*H	At Large with Geraldo Rivera	At Large with Geraldo Rivera	NFL Primetime	Spectrum Movie Picture Perfect
6:30PM	Window on the Atoll/BB				
7:00PM	Smallville	Access Hollywood	Access Hollywood	SportsCenter	
7:30PM					
8:00PM	I	Beltway Boys	Beltway Boys	Sportscenter	Jeopardy!
8:30PM	Primetime Movie: Meet the Parents	Fox News Watch	Fox News Watch	NHL	Headline News/Pac Rpt
9:00PM		Bulls and Bears	Bulls & Bears	Star at Ducks	ESPNNews
9:30PM		Cavuto on Business	Cavuto On Business		Navy/MCorps News
10:00PM	Headline News	Access Hollywood	Access Hollywood		60 Minutes
10:30PM	Seinfeld	Weekend	Weekend		
11:00PM	Meet The Press	Dateline NBC	Dateline NBC	Sportscenter	NYPD Blue
11:30PM					

Tuesday, Dec. 9

Time	Channel 9 - AFN Pacific Delayed	Channel 13 - AFN News-Sports	Channel 14 - AFN News	Channel 17- Sports	Channel 35 - AFN Pacific No Delay		
12:00AM	America's Black Forum	Good Morning America	Good Morning America		C.S.I. Miami		
12:30AM	Entertainment Tonight				NFL		
1:00AM				Seahawks at Vikings	Headline News/Pac Rpt		
1:30AM	Movie from the back				Tonight Show with Jay Leno		
2:00AM	The Longest Yard	Headline News	Headline News		Late Show with David Letterman		
2:30AM		World News This Morning	World News This Morning				
3:00AM		Early Show	Early Show				
3:30AM	NBA Fastbreak			College Gameday	Access Hollywood		
4:00AM	Sportscenter			SportsCenter	Movies 'Til Dawn		
4:30AM					True Lies		
5:00AM		Fox News	Fox News				
5:30AM	Sign-on/Bulletin Board			NFL Primetime	<:15> Movies 'Til Dawn		
6:00AM	Good Morning America	Dateline NBC	Dateline NBC			The Breakfast Club	
6:30AM					HBO Boxing		
7:00AM		Fox News	Fox News				
7:30AM							
8:00AM	Sesame Street	Headline News	Headline News		Headline News		
8:30AM		Inside Politics	Inside Politics	ESPNNews	ESPNNews		
9:00AM	Bulletin Board			NFL Primetime	Today		
9:30AM	Wheel of Fortune	Headline News	Headline News				
10:00AM	Dr. Phil	Lester Holt Live	Lester Holt Live	Around the Born			
10:30AM				Pardon the Interruption			
11:00AM	Oprah Winfrey	Headline News	Headline News	Sportscenter	Navy Seals Training		
11:30AM		NBC Nightly News	NBC Nightly News				
12:00PM	Bulletin Board	ABC World News Tonight	ABC World News		ABC World News (U)		
12:30PM	Judge Judy	Professional Bowling	CBS Evening News	Professional Bowling	Wheel Of Fortune		
1:00PM	Movies 'till Dawn				Newshour with Jim Lehrer	Dr Phil	
1:30PM		True Lies					
2:00PM		PGA	Hannity and Colmes	PGA	Oprah Winfrey Show		
2:30PM					Grand Slam of Golf		
3:00PM	Zoboomafoo				The News with Brian Williams		NBC Nightly News
3:30PM	Buzz Lightyear				BET Nightly News		Judge Judy
4:00PM	Cyberchase				Biography		
4:30PM	Taina	Nightly Business Report	Nightly Business News				
5:00PM	Jeopardy!	Larry King Live	Larry King Live	Sportscenter	Spectrum Movie		
5:30PM	Access Hollywood					Bridges of Madison County	
6:00PM	Window on the Atoll/BB	Newsnight with Aaron Brown	Newsnight with Aaron Brown	NFL Total Access			
6:30PM	The Cosby Show			Sportscenter			
7:00PM	60 minutes	Paula Zahn Now	Paula Zahn Now	Pardon the Interruption			
7:30PM				Sportscenter	Ebert/ Roeper/ Movies		
8:00PM	NYPD Blue	Nightline	Nightline	NCAA Basketball	Jeopardy!		
8:30PM		Pardon the Interruption	Army or Air Force News	BB&T Classic	Headline News/Pac Rpt		
9:00PM	C.S.I. Miami	Hardball with Chris Matthews	Hardball with Chris Matthews		ESPNNews		
9:30PM					Headline News/Pac Rpt		
10:00PM	Marine Raiders on Kwaj	NFL	The O'Reilly Factor		NFL - MNF		
10:30PM	Tonight Show Jay Leno	Rams at Browns		Sportscenter	Rams at Browns		
11:00PM			Primetime Special				
11:30PM	The Late Show			NCAA Basketball			