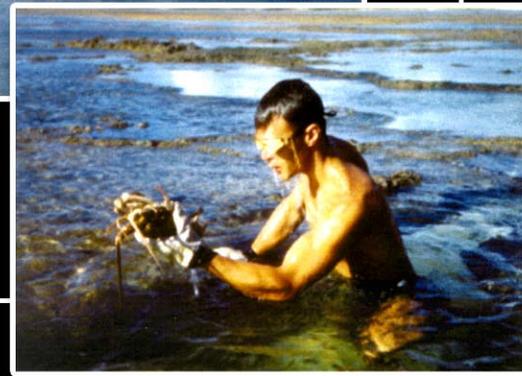
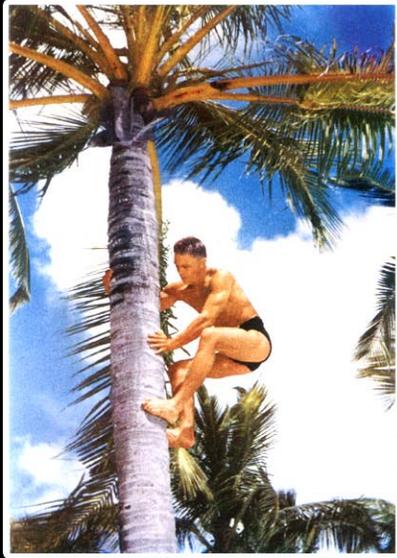


# THE KWAJALEIN HOURGLASS



**Brothers develop  
Kwaj survivor  
program during WWII**

— page 5

*(Photo courtesy of the Craigheads)*

## WHAT'S INSIDE

**Kosrae provides a  
Kwajer getaway**

— page 3

**Range teams test  
team work**

— page 4



# Ambassador shares Australia Day message

Jan. 26 marks Australia's National Day, when Australians everywhere celebrate our achievements as a stable, democratic, multicultural society with a skilled and innovative population and a strong, competitive trading economy, and when we also reflect on the values we hold dear such as freedom, equality, tolerance, mateship and a "fair go" for all.

My wife, Debra, and I are celebrating our third Australia Day in Micronesia and along with all at the Australian Embassy, we send our best wishes to the Australian community and the people of the region who have links with Australia through government, maritime surveillance, business, tourism, education, sporting and voluntary activity.

In a fluid and uncertain international security environment, Australia continues to work to promote law and order and stability, good governance and sustainable development in the Pacific Islands and to help partner governments manage borders and protect resources, and to counter the threat from weapons of mass destruction, terrorism, people smuggling and other criminal activity. 2003 has seen strengthened regional



cooperation and better pooling of resources through the Pacific Islands Forum to address good governance and security challenges. Examples include the Regional Assistance Mission to the Solomon Islands and the Pacific Regional Police Training Initiative. While our own region is our primary concern, Australians and Micronesians are also putting their lives on the line with U.S. and other allies to advance global security, including in Iraq.

To protect Australians travelling or resident overseas, the Australian government has introduced a new "M series" passport with improved security features that will facilitate travel and counter identity fraud, and continues proactively to disseminate travel advice. (See [www.smartraveller.gov.au](http://www.smartraveller.gov.au)) Australians are also encouraged to register their presence in Micronesia via the same Web site or by contacting the Embassy.

Links between Australia and American-affiliated Micronesia continue to grow. In the Freely Associated States,

patrol boat support under Defence Cooperation and AusAID-funded Development Cooperation is ongoing. As a close U.S. ally, Australia shares a strategic interest in Guam and the CNMI, and now also Kwajalein due to our developing interest in missile defence. There is also a greater focus on expanding the trade, investment, educational and tourism relationship between Micronesia and Australia in the context of the negotiations between the U.S. and Australia on a Free Trade Agreement.

I reiterate to all Australians in the Micronesian region and everyone with some connection with Australia, my best wishes for Australia Day 2004.

— **HE Amb. Brendan Doran**  
**Australian Ambassador to the FSM, Marshall Islands and Palau**  
**Australian Consul General to Guam and the CNMI**

## Letters to the Editor and My Two Cents

To submit a letter: Keep letters to less than 300 words, and keep comments to the issues. Letters must be signed. We will edit for AP style and, if you exceed the word limit, space. Limit one letter every 30 days. Send your letter to:  
*The Hourglass*, P.O. Box 23, Local; or [jbennett@kls.usaka.smdc.army.mil](mailto:jbennett@kls.usaka.smdc.army.mil). For "My Two Cents," contact editor Jim Bennett at the *Hourglass*, 52114, or the e-mail above.

## Marshallese Word of the Day

Week – Wik

### The Kwajalein Hourglass

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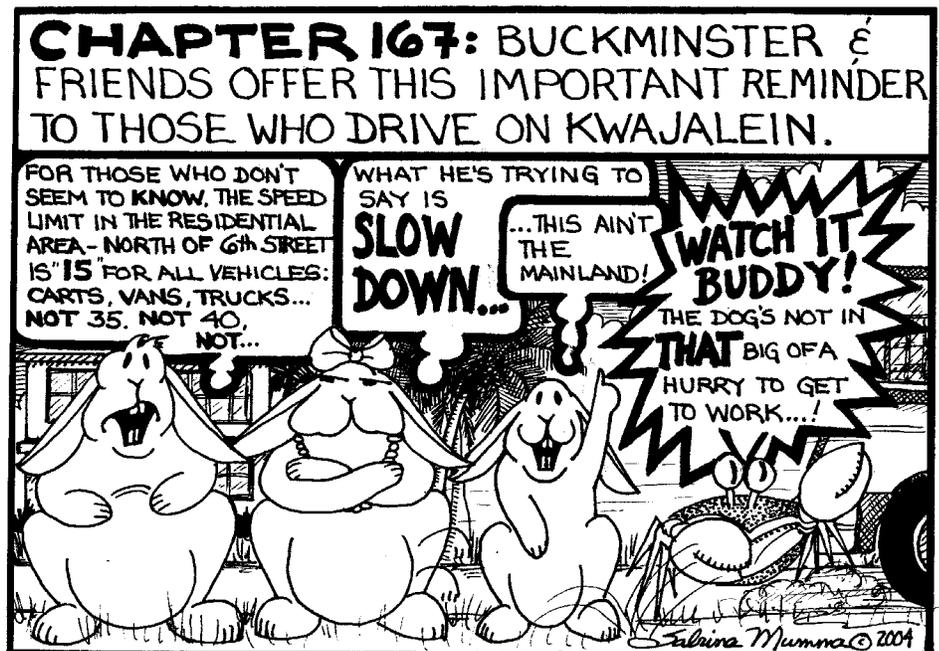
The *Hourglass* is named for the insignia of the U.S. Army 7th Infantry Division, which liberated the island from the forces of Imperial Japan on Feb 4, 1944.

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.

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## Buckminster and Friends

by Sabrina Mumma



# Kosraen vacation offers mountains of activities

**Editor's Note:** With Spring Break, and later summer, approaching it's never too early to begin making travel plans. This is the first of a four-part series on nearby getaways for Kwaj residents.

**By Jan Waddell**

Reporter

Life on Kwajalein means you can't just jump in your car and drive to a weekend getaway, but there is a way to get away.

Just over 400 miles southwest of Kwajalein sits the 42-mile square-island of Kosrae, one of the Federated States of Micronesia, which holds a wide variety of experiences ranging from lush tropical jungles, pristine beaches, ancient ruins, peaceful mangrove forest channels, WWII sunken ships and planes and something you won't find on Kwaj — mountains.

"The first thing that you notice when you arrive is the scenery and how different it is from Kwajalein," Sylvia Riley said. "The mountains are beautiful and everything is so green with gorgeous flowers and trees."

Temperatures range in the 80s year round with the average rainfall over 200 inches. Light tropical attire is recommended.

Local tangerines, limes and oranges are a must-try when visiting Kosrae and local fruit stands can be found around the island and at the airport.

One of the more famous landmarks is the Sleeping Lady, which is a series of volcanic peaks that resemble a lady at rest.

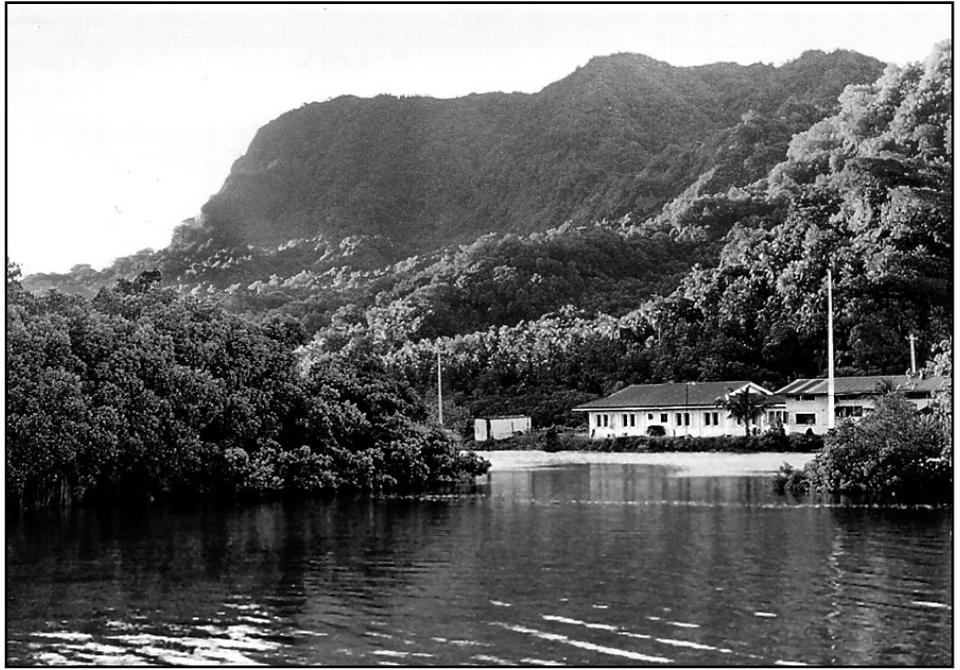
"It was a delightful time we had on Kosrae and, since we came from the Chapel here, all of the different communities wanted us to visit their village and wanted to treat us to a feast," Riley said.

## Getting there

The flight to Kosrae is approximately an hour on Continental, which flies from Kwajalein to Kosrae on Tuesdays, Thursdays and Saturdays. Return flights are Mondays, Wednesdays and Fridays.

Round trip airfare runs \$277 with three days advanced purchase, but prices are subject to change at any time, said travel specialist Sylvia Notarianni. Reservations can be made at Continental Travel Agency, 51013.

## Culture



(File photo)

**Kosrae offers a quiet getaway with jungles, beaches, ancient ruins, mangrove channels and mountains.**

The primary language is Kosraean, but most people speak English, too.

About 8,000 islanders live on Kosrae and are friendly and willing to help visitors.

Sunday is truly a day of rest and the shops are closed. Also, two Sunday laws exist prohibiting water sports — fishing, collecting seashells or water-skiing — and alcohol.

Visitors are welcomed at the local churches.

"On Sundays almost everything closes down, and it is not proper to go swimming on Sundays," Riley said. "Most people on the island go to church on Sundays and they stay there for a good part of the day."

On Sunday, women should wear a dress or skirt and top which covers the shoulders and men should wear long pants, in respect of the Kosraean culture.

## Sights

*Lelu Island Ruins and Menke Ruins:*

On Lelu Island stands Fuedal, the 13th century capital city of Micronesia where visitors can walk the stone paths and explore tombs and living areas of the ancient Kosraean people. Some of the basaltic slabs also remain.

Visitors can visit the temple of Sinlaku, the breadfruit goddess, where she is to have spent her last days before fleeing to Yap.

Menke is smaller than Lelu, but can take up to two hours. A guide can explain point out local plants and how they are used medicinally.

*Mt. Finkol and Mt. Oma:*

Mt. Finkol is the highest peak in Kosrae and stands more than 2,000 feet high.

Hiking the mountain requires a guide and takes around eight hours. Hikers will experience the beauty of the rainforest on their trek.

Those hiking Mt. Oma will be treated to waterfalls, WWII caves and lush tropical foliage.

This hike also takes around seven hours, but shorter 45-minute hikes are available.

*Mangrove Forest Channels:*

Traveling through the mangrove channels can be done in native outrigger canoes.

The peaceful journey allows visitors to experience the wonders of the mangrove forest, like the monitor lizard and the beauty of the mangrove trees.

*Sipyen and Saolong Waterfalls:*

The Sipyen waterfall is a 30-foot fall with cool fresh water pools at the base of the fall.

Saolong falls can be seen from the road and also has a fresh water pool to cool off in.

*Diving and snorkeling:*

The Blue Hole and the Causeway

(See KOSRAE, page 6)

# Theater and Ground-based teams juggle assets

**Editor's Note:** This is the second installment of a two-part series on the RTS mission schedule and integrated process teams. Part one ran in the Jan. 23 Hourglass and covered the ICBM and Space mission teams. Today, we look at the Theater Missile Defense and Ground-based Midcourse Defense teams.

**By KW Hillis**

Assistant Editor

Both TMD and GMD IPT schedules move quite a lot, according to Lt. Col. Anne Daugherty, RTS commander.

What is interesting is that the ones whose schedules move more are developing and testing new systems or technologies, as opposed to testing a deployed system. The nature of testing is that you test to confirm the system performs as you intend, so as a part of this process you expect, at times, to find things that you need to repair, replace or redesign.

## TMD IPT

"We do Theater Missile Defense testing, which generally has shorter range shots than [some] other customers. Each mission is very unique," said Maj. Win Keller, TMD IPT lead, explaining that the Critical Measurement Program test, slipped to later this year, will pull in both RTS assets and other assets from the missile defense community. "Not only are we using our sensors ... up on Roi, but we're [supporting] a number of auxiliary sensors. We'll have ships and aircraft that are not organic to the range ... coming in to collect data. We are trying to provide data on the characteristics of the missile being shot"

TMD is the main user of the KMRSS Worthy which will be used as a safety vessel on the CMP-4 mission and will also be used to collect data for both RTS and the Pacific Missile Range Facility for the Long-Range Air Launch Target test.

CMP missions have the longest ramp-up times of any IPTs missions — typically two years.

"This one went a little bit longer because assets [had to be diverted] to support other missions," Keller said, explaining that CMP-4 will be approximately a 3½-year process. Assets from all over the missile defense world are coming in to support the CMP test, he said. Up to 50 people will arrive to support the test, with 30 people, including

security, weather and launch ordinance folks, deployed to another supporting island.

Since CMP-4 is now moved, all of the equipment and people tapped to support the mission had to be rescheduled.

The TMD team is preparing for the LRALT mission. Unlike other missiles, the LRALT missile won't emerge from a silo.

"This missile is on a pallet inside of an aircraft and it is going to [drop out and fall]," Keller said. "When it gets to a certain altitude the booster will ignite and it will fly or launch from there."

A lot of the coordination and effort for this and every missile flight comes from the Safety Office.

"They worked very hard finding a [mission location] that was safe for everybody," he said, explaining RTS is the support range for this test, with PMRF as the lead range.

Unlike GMD and ICBM teams, each with one customer, TMD has to juggle two customers with two very different programs, along with coordinating assets from all over the world.

"The choreography gets more complex — everything and everybody has to be in the right place," Keller said.

## GMD IPT

"Our job is to provide the necessary assets — that is people, knowledge, skill, instrumentation and effective utilization for the GMD program in the execution of the integrated flight test events," said Capt. Mitch Stevison, GMD IPT lead. "And also ... targets of opportunity where they do scaled down system tests in conjunction with another test, for example, an ICBM test."

Piggybacking a GMD system test onto another IPT's test saves money, more effectively utilizes resources, and verifies that the system will work, he said.

Planning on GMD's integrated flight tests start six to eight months out. About 120 days out, more detailed activities such as testing communication circuits happen, he said. About 45 days out the IPT goes into a daily testing status.

"That is when we do what is termed as ICTs, or integrated countdown tests, where we bring all the elements that are participating in the

test together and exercise our individual capabilities as an integrated whole," Stevison said, explaining that during the initial countdown tests it is not unusual to find things that need to be changed.

"The best planning doesn't make it come out right, and we sometimes have to adjust," he said.

Although IFT missions in the past have been similar, our GMD IPT is in for some unique changes.

"The GMD program is increasingly closer to becoming an operational system," Stevison said. "And, as such, these tests we are about to undergo ... are going to be significantly different from tests we [supported] in the past."

A new booster system, a new communication system and an upgraded kill vehicle along with a new target launch site are all part of the change and it is drastically altering the pre-mission ramp-up, he said.

"In essence the goal is still the same. When they get to the intercept event, they want an intercept event," Stevison said. "However, from the range perspective, these are almost brand new tests."

When an intercept is scheduled, the job is harder than it appears on the surface; it is not just launching an interceptor.

"Everything has to align perfectly for the test to be ready to go," he said, explaining that there are multiple system tests going on here, at the launch site and on other assets that have to come together. "There are many other factors that play into being ready to launch an IFT."

Since the last launch was at the end of 2002, members of the IPT team have been working on other IPTs, but with the many changes in store, a lot of pre-mission work has been going on within the GMD IPT.

"Our safety folks have been [working incredibly hard] to ensure we can support these new ground-based interceptors," he said, explaining that Safety makes sure that the missile is transported safely, that the termination systems meet standards, and, once in flight, that the missile is under the Range's control.

"These new missions are stretching the capabilities we have...," Stevison said. "So we have been doing

(See MISSION, page 6)

# Kwaj survivors wrote book on outlasting conditions

By Eugene Sims  
Kwajalein Historian

Many of us may remember the 1968 movie "Hell in the Pacific" starring Lee Marvin and Toshiro Mifune. The story portrays the problems of an American pilot and a Japanese pilot during World War II, as they work together to survive after being forced down on a small island in the South Pacific. Even though they are both political enemies, the two men finally realize the need for their dependency on each other to survive.

More recently, the popular TV show "Survivor" again emphasizes how a group of people working together using only local materials learn to survive on a small island or other isolated areas. ("Survivor All-Stars" airs on AFN Monday.)

Few people realize that long before TV, the Kwajalein Lagoon was the site of the first survivor program.

During World War II, in the Pacific, the U.S. Navy and Army Air Corps realized that many of their pilots and crews who crashed at sea, yet were able to escape and make their way to one of the small islands, eventually perished because they were unable to survive on the local island materials.

The loss of military personnel in World War II due to this condition prompted the U.S. Navy to conduct survival studies in the Pacific for the American Armed Forces in early 1945. (see *National Geographic*, May 1945.) The Marshall Islands, and particularly Kwajalein, became the scene of one of the early survival studies in October 1945. An excellent photo and narrative story was later published in the January 1948 *National Geographic* showing how this program was conducted on an island in the Kwajalein Lagoon.

Sponsored by the U.S. Navy and led by two brothers named Frank and John Craighead, together with a Marshallese guide from Ebeye, and two other American observers, the five-man group took part in the first survival study and learned how

to survive on a remote island using only local materials.

The program's success was due in part to the skill of the Marshallese instructor, named Goniske, who was tasked to teach the group how to find food, water, build shelters and to start a fire for cooking only local island seafood and vegetation.

The Navy reasoned if the group could learn to survive on an island under these conditions then the Craighead brothers could write an

or Ellep (WWII code name, Clifton.) This island, measuring only 76 acres in size, was uninhabited, had no facilities or residents, and was typical of other small South Pacific island where pilots had previously not survived.

The survival study program actually started in Majuro on the island of Rita on Oct. 4, 1945. The Craighead brothers were able to catch up on the time change from CONUS and to acclimatize to the warm tropical temperatures before starting the survivor program on Eller Island in the Kwajalein Lagoon.

While on Rita, the Craigheads took a crash course in learning native fishing methods, watching how the Marshallese ladies cooked a variety of local foods and learning about the building and handling of outrigger canoes, Marshallese style. The brothers were intrigued by the outrigger canoes because no nails or screws were used in the construction. John Craighead mentioned he was amazed at the versatility and speed of these small craft in heavy winds and on high waves in a rough sea.

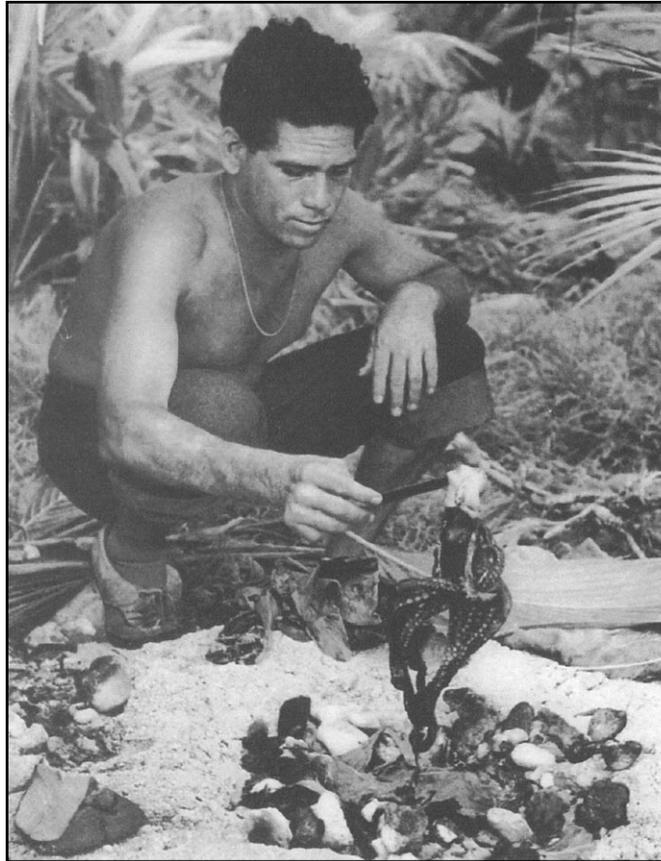
After an early morning flight back to Kwajalein, a meeting with their Marshallese instructor, Goniske, and the two other members of the team, the group boarded a Navy LSM for a ride to Eller and a once-in-a-lifetime adventure.

The January 1948 *National Geographic* article "We Survive on a Pacific Atoll" covers the crew's activities in detail with an excellent photo coverage during the survivor training from Goniske on Eller Island. After several days of surviving on local food and water, the training was completed and the Craigheads now had a bundle of hand-written notes and pictures to put together for the Navy training manual.

John Craighead told of how he hated to leave the Marshall Islands and particularly his new friend, Goniske.

"You certainly get attached to

(See SURVIVORS, page 6)



(Photo courtesy of the Craigheads)

**The Craighead brothers learned how to cook ocopus, among other survival lessons.**

instruction manual for all military pilots operating in the Pacific area to read and learn how to survive, if necessary.

For the actual study, the Navy selected an island on the West Reef very remote to Kwajalein — remember there were no helicopters in those days. The use of this island had to be away from any activity on Kwajalein and provide a lesser chance for interference from local Marshallese fishermen.

The island selected for the survivor test was the first island west of present day Legan now called Eller

# Mission work involves team effort from all ...

(From page 4)

all those [required] things, preparing for all those different aspects of the test.”

Another unique aspect of the GMD program is that their prime contractor, Boeing, actually resides here.

That is why GMD has two IPTs to support their requirements, with Stevison as the test execution lead and Maj. Steve Wilhelm as the test resources lead.

“We have the additional resource responsibilities because there are a significant number of GMD, both government and prime contractor, personnel who live and work here,” Stevison said. “So we have other issues that we follow; is the housing OK, are the schools OK, is their equipment adequately maintained? We actually address those issues

and work those resource issues for the GMD folks and for Meck Island as well, because GMD is the sole user.”

The choreography of balancing assets becomes more complex when other ranges are added to the mix.

Future IFTs will engage at least three other ranges as well, requiring seamlessly linked communications and data flow.

It will be a busy year for the GMD IPT and the people who support it, but all are eager to support the GMD program.

## Team effort

“It’s a team effort on four discrete programs,” Daugherty said, explaining that the leaders have to coordinate with each other to share both people and equipment.

The team effort and coordination go far beyond building 1010,

KMCC, Meck and the Kwajalein Space Surveillance Center, it goes to every department and function — from laundry to automotive to food services.

“We, the range, cannot function if our [logistic] side is not coordinated as well,” she said. “[The Range] is worried about capturing data, but you have got to make sure there is lodging for the folks too.”

The Range relies heavily on all the functions on island to be able to do its mission. Everyone working for USAKA should feel they are an integral part of every mission.

“If people ever get the idea that they aren’t important, they are very wrong because the range needs the support of all those people in order for us to be able to do our particular activities,” Daugherty said. “We are one team.”

**Goniske teaches the Craighead brothers valuable information for the Navy manual on survival.**



(Photo courtesy of the Craigheads)

## Survivors research manual ...

(From page 5)

these people (Marshallese); they are the tops. Goniske worked hard and went out of his way to show us all the tricks of living on an island. It was touching to see how he loved the trees and the outdoors,” John said.

After more survivor training in other areas of the Pacific, the manual “How to Survive on Land and Sea” was written by John and Frank Craighead and published by the U.S. Navy. The manual makes for interesting reading even today.

The two Craighead brothers, both Navy lieutenants, received commendation medals from Secretary of the Navy James Forrestal for their work on the Navy Survivor Program.

After the war, both men continued working as wildlife naturalists and became well-known for their work in wildlife research and management. Many of their studies required periods of remote isolation and the ability to survive under arduous conditions. Their training and experience on how to survive on a remote island in the Kwajalein Atoll paid off many times over the many years of work by both men.

## Kosrae offers variety of fun ...

(From page 3)

Pool both offer many features.

The Blue Hole is one mile long and over 300 meters wide. It was traditionally used as a burial ground for the royal family.

The Causeway Pool is 300 meters long and 200 meters wide, with many corals and fish for divers and snorkelers to see.

“We had a great time on the island and were able to do many things during the few days we were there,” Riley said. “We hiked in to see a waterfall where you could swim around in a small area under the tall flowing waterfall. We rode in boats through mangrove trees. We visited the clam farm there and saw clams of all sizes and found out how they are raised.”

## Currency

U.S. currency is used in Kosrae and most of the hotels accept Visa and MasterCard, but travelers checks and cash are recommended at stores and restaurants.

## Electricity

The electricity runs at 110 volts with the standard two-prong outlet.

## Information sources

“I would recommend a visit to Kosrae anytime, but make sure you contact the Visitors Bureau,” Riley said. “They can tell you when and where things are happening and make sure you have a great time.”

Information for this article was obtained from the official site of the Federated States of Micronesia Visitors Board at [www.visit-micronesia.fm](http://www.visit-micronesia.fm), the Kosrae Office of Tourism and the Kosrae Visitors Bureau.

Information on restaurants and lodging is also available at [www.visit-micronesia.fm](http://www.visit-micronesia.fm).

# Wednesday, Jan. 28

Time	Channel 9-AFN Atlantic	Channel 13 - AFN News-Sports	Channel 14 - AFN News	Channel 17 - AFN Sports	Channel 23 - AFN Spectrum	Channel 35 - AFN Direct to Sailors
12:00AM	The Late Show	Good Morning America	Good Morning America	Australian Open (continued)	Celebrity Profiles	Movie (continued)
12:30AM	Bulletin Board					
1:00AM	Movie: The Simple Life of Noah Dearborn	Headline News	Headline News	SportsCenter	Movie: Good Will Hunting	Headline News <:15>
1:30AM						
2:00AM						Late Show with David Letterman <:45>
2:30AM	Movie: Return to Me <:45>	World News	World News	Best Damn Sports Show Period	Ebert and Roeper	Access Hollywood <:45
3:00AM		Early Show	Early Show	ESPNNews	Rocket Power	Movie: <:15> Dad
3:30AM						
4:00AM				SportsCenter	The Simpsons	
4:30AM					The Cosby Show	
5:00AM	Bulletin Board	FOX News Live	FOX News Live	Winter X Games Day 3	J.A.G.	
5:30AM						SportsCenter
6:00AM	Good Morning America			Wire to Wire		
6:30AM				NFL Live		
7:00AM						
7:30AM						
8:00AM	Dragon Tales	Headline News	Headline News	ESPNNews	Celebrity Profiles	ESPNNews
8:30AM	Wheel Of Fortune	Inside Politics	Inside Politics			Headline News
9:00AM	Dr. Phil					
9:30AM	Oprah Winfrey <9:46>	Headline News	Navy/Marine Corps	NFL Dream Season Millenium Matchup	Movie: Good Will Hunting	Today
10:00AM		Lester Holt Live	Lester Holt Live	Around the Horn		
10:30AM	Guiding Light <10:35>			Pardon the Interruption		
11:00AM	General Hospital<11:17>	Headline News	Headline News	SportsCenter		The Practice
11:30AM		NBC Nightly News	NBC Nightly News		Ebert and Roeper	
12:00PM	Bulletin Board	NFL Live	ABC World News	NFL Live	Rocket Power	Headline News
12:30PM	Judge Judy	Motorcycle Racing	CBS Evening News	Motorcycle Racing	Fairly Oddparents	Wheel of Fortune
1:00PM	The Newshour	NCAA Basketball	Newshour with Jim Lehrer	NCAA Basketball	The Simpsons	Dr. Phil
1:30PM						The Cosby Show
2:00PM	Sesame Street	Florida at Alabama	Hannity and Colmes	Florida at Alabama	Ally McBeal	Oprah Winfrey Show
2:30PM						
3:00PM	PB & J Otter		CNBC: The News		The Ship Episode 6	NBC Nightly News
3:30PM	Scooby Doo	The News	The News	Australian Open Tennis		Judge Judy
4:00PM	That's So Raven	BET Nightly News	BET Nightly News	Men's and Women's Quarterfinals	On the Air Over There	On the Air Over There
4:30PM	The Amanda Show	Nightly Business	Nightly Business			Legends of Airpower
5:00PM	Jeopardy	Larry King Live	Larry King Live		Suicide Missions	Suicide Missions
5:30PM	Access Hollywood					
6:00PM	Bulletin Board	Newsnight with Aaron Brown	Newsnight with Aaron Brown	NFL Total Access	Movie: Moscow on the Hudson	Movie: Moscow on the Hudson
6:30PM	The Cosby Show					
7:00PM	Smallville	Paula Zahn Now	Paula Zahn Now	SportsCenter		
7:30PM						
8:00PM	Movie: Spiderman	Nightline	Nightline	FIA Sportscar Championship	Rocket Power	Jeopardy
8:30PM		Pardon the Interruption	Headline News		Fairly Oddparents	Headline News
9:00PM		Hardball with Chris Matthews	Hardball with Chris Matthews	NCAA Basketball Purdue at Indiana	The Simpsons	ESPNNews
9:30PM						The Cosby Show
10:00PM	ESPNNews <:15>	O'Reilly Factor	O'Reilly Factor		American Idol	The Parkers
10:30PM	The Tonight Show <:45>					The Simple Life
11:00PM		CNN Daybreak	CNN Daybreak	Winter X Games Day 4	The Ship Episode 6	Extreme Makeover
11:30PM	The Late Show <:45>					

# Thursday, Jan. 29

Time	Channel 9-AFN Atlantic	Channel 13 - AFN News-Sports	Channel 14 - AFN News	Channel 17 - AFN Sports	Channel 23 - AFN Spectrum	Channel 35 - AFN Direct to Sailors
12:00AM	The Late Show	Good Morning America	Good Morning America	Winter Games	On the Air Over There	The OC
12:30AM	Access Hollywood :45			(continued)	Legends of Airpower	
1:00AM	Movie: <:15>	Headline News	Headline News	SportsCenter	Suicide Missions	Headline News
1:30AM	Dad			Tonight Show		
2:00AM				with Jay Leno		
2:30AM				Late Show		
3:00AM				with David Letterman		
3:30AM	Movie:			Access Hollywood		
4:00AM	Blame it on the Bellboy			SportsCenter	Rocket Power	Movie: Cry Freedom
4:30AM					Fairly Oddparents	
5:00AM	Bulletin Board	FOX News Live	FOX News Live	NFL Live	The Simpsons	Americas Funniest Home Videos
5:30AM				College Gamenight	The Cosby Show	
6:00AM	Good Morning America			SportsCenter	American Idol	
6:30AM						
7:00AM				Australian Open Tennis	The Ship	
7:30AM			Men's Quarterfinal	Episode 6		
8:00AM	Bob the Builder	Headline News	Headline News		On the Air Over There	ESPNNews
8:30AM	Wheel Of Fortune	Inside Politics	Inside Politics		Legends of Airpower	Headline News
9:00AM	Dr. Phil				Suicide Missions	Today
9:30AM	Oprah Winfrey <9:46>	Headline News	Headline News			
10:00AM		Lester Holt Live	Lester Holt Live	Around the Horn	Movie: Moscow on the Hudson	American Idol
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11:00AM	General Hospital<11:17>	Headline News	Headline News	SportsCenter		
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1:00PM	The Newshour	at	Newshour	at	The Simpsons	Dr. Phil
1:30PM		Florida Panthers	with Jim Lehrer	North Carolina	The Cosby Show	
2:00PM	Sesame Street		Hannity and Colmes	NBA	Dharma & Greg	Oprah Winfrey
2:30PM		ESPNNews		Sacramento Kings	My Wife and Kids	
3:00PM	Baby Looney Tunes		CNBC:	at	The West Wing	NBC Nightly News
3:30PM	Jimmy Neutron	Headline News	The News	Houston Rockets		Judge Judy
4:00PM	A Walk in your Shoes	Headline News	BET Nightly News		Antiques Roadshow	Antiques Roadshow
4:30PM	Strange Days	Nightly Business	Nightly Business	SportsCenter		
5:00PM	Jeopardy	Larry King Live	Larry King Live		Gold	Gold
5:30PM	Access Hollywood			NBA Fastbreak		
6:00PM	Bulletin Board	Newsnight	Newsnight	NFL Total Access	Masterpiece Theater	Masterpiece Theater
6:30PM	The Cosby Show	with Aaron Brown	with Aaron Brown		Othello	Othello
7:00PM	The Parkers	Paula Zahn Now	Paula Zahn Now	SportsCenter		
7:30PM	The Simple Life					
8:00PM	Extreme Makeover	Nightline	Nightline	Real Sports with	Rocket Power	Jeopardy!
8:30PM		Pardon the Interruption	Air Force TV News	Bryant Gumbel	Fairly Oddparents	Headline News
9:00PM	The OC	Hardball	Hardball	Australian Open Tennis	The Simpsons	ESPNNews
9:30PM		with Chris Matthews	with Chris Matthews	Women's Semifinals	The Cosby Show	Headline News
10:00PM	ESPNNews	O'Reilly Factor	O'Reilly Factor		American Idol	Good Morning Miami
10:30PM	The Tonight Show					Will & Grace <:25>
11:00PM		60 Minutes II	60 Minutes II		The West Wing	The Bachelorette
11:30PM	The Late Show					

# Friday, Jan. 30

Time	Channel 9-AFN Atlantic	Channel 13 - AFN News-Sports	Channel 14 - AFN News	Channel 17 - AFN Sports	Channel 23 - AFN Spectrum	Channel 35 - AFN Direct to Sailors		
12:00AM	The Late Show	Good Morning America	Good Morning America	SportsCenter	Antiques Roadshow	C.S.I. Crime Scene Investigation		
12:30AM	Access Hollywood			Headline News	NBA	Gold	Headline News	
1:00AM	Movie: Cry Freedom			Headline News	Sacramento Kings	Materpiece Theater Othello	Tonight Show with Jay Leno	
1:30AM				World News	at		Houston Rockets	Late Show with David Letterman
2:00AM				World News	Houston Rockets		NBA Fastbreak	Access Hollywood
2:30AM				Early Show	Early Show		College Gamenight	Movie: Galaxy Quest
3:00AM				Early Show	Early Show	SportsCenter	Rocket Power	
3:30AM				America's Funniest Videos			Fairly Oddparents	
4:00AM	Bulletin Board	FOX News Live	FOX News Live	NFL Live	The Simpsons	Movie: Blown Away		
4:30AM		FOX News Live	FOX News Live	NBA Fastbreak	The Cosby Show			
5:00AM	Good Morning America	60 Minutes II	60 Minutes II	SportsCenter	American Idol			
5:30AM		FOX News Live	FOX News Live	Australian Open Tennis Men's Semifinal	The West Wing			
6:00AM		Headline News	Headline News		Antiques Roadshow	ESPNNews		
6:30AM		Headline News	Headline News		Gold	Headline News		
7:00AM	Inside Politics	Inside Politics	Around the Horn		Materpiece Theater Othello	Today		
7:30AM	Inside Politics	Inside Politics		Pardon the Interruption		American Idol		
8:00AM	Bear/ Blue House	Air Force TV News	Air Force TV News	SportsCenter				
8:30AM	Wheel Of Fortune	Lester Holt Live	Lester Holt Live					
9:00AM	Dr. Phil	Headline News	Headline News					
9:30AM	Oprah Winfrey <9:46>	NBC Nightly News	NBC Nightly News					
10:00AM	Guiding Light <10:35>	College Basketball	ABC World News	NBA	Rocket Power	Headline News		
10:30AM	General Hospital<11:17>	Maryland	CBS Evening News	New Jersey Nets	Fairly Oddparents	Wheel of Fortune		
11:00AM	Bulletin Board	at	Newshour	at	The Simpsons	Dr. Phil		
11:30AM		College Basketball	Hannity and Colmes	Orlando Magic	The Cosby Show	Oprah Winfrey		
12:00PM	Judge Judy	Florida State	CNBC: The News	NBA	Charmed			
12:30PM	Newshour with Jim Lehrer	at		Sacramento Kings	The X-Files	NBC Nightly News		
1:00PM	Sesame Street	Duke		at	Savage Seas	Judge Judy		
1:30PM	Sesame Street	Headline News	BET Nightly News	San Antonio Spurs		Savage Seas		
2:00PM	101 Dalmations	ESPNNews	Nightly Business					
2:30PM	Hey Arnold!	Larry King Live	Larry King Live	Inside the NBA	The Life of Mammals	The Life of Mammals		
3:00PM	Pokemon							
3:30PM	Jackie Chan	Newsnight with Aaron Brown	Newsnight with Aaron Brown	College Gamenight	Buffy The Vampire Slayer	Buffy the Vampire Slayer		
4:00PM	Jeopardy	Paula Zahn Now	Paula Zahn Now	SportsCenter	Iron Chef	Iron Chef		
4:30PM	Access Hollywood	Nightline	Nightline	NFL Total Access	Rocket Power	Jeopardy!		
5:00PM	Bulletin Board	Pardon the Interruption	Headline News		Fairly Oddparents	Headline News		
5:30PM	The Cosby Show	Hardball with Chris Matthews	Hardball with Chris Matthews	Australian Open Tennis	The Simpsons	ESPNNews		
6:00PM	Good Morning Miami	O'Reilly Factor	O'Reilly Factor	Women's Doubles	The Cosby Show	Headline News		
6:30PM	Will and Grace <:25>			Final	Charmed	That 70's Show		
7:00PM	The Bachelorette	Fox News Live	Fox News Live	SportsCenter	The X-Files	Meet My Folks		
7:30PM	The Bachelorette							
8:00PM	C.S.I.							
8:30PM	C.S.I.							
9:00PM	ESPNews							
9:30PM	The Tonight Show							
10:00PM	The Tonight Show							
10:30PM	The Late Show							
11:00PM	The Late Show							
11:30PM	The Late Show							

## HELP WANTED

**KRS has the following on-island job opening. Unless otherwise noted, call Alan Taylor, 55154.**

**SUBSTITUTE TEACHER.** Provide supervision and instruction in the absence of the regular classroom teacher. Organizational skills and structure are a prerequisite. Teaching certification preferred, but not required. Childcare clearance required.

**REGISTERED NURSE.** Casual, potential for part time. Diagnoses, plans and assesses patient care. Proficient with hospital department practices that reflect JCAHO and Quality Improvement Standards. Requirements are graduate of an approved accredited school of professional nursing and current license as a U.S. Registered Nurse.

**SECRETARY, Quality Systems.** Full time. Provide administrative support to Quality and Risk Management office, maintain spread sheets for claims, inspections and action items, prepare final versions of tech reports and forms, coordinate risk management and quality training.

**CYS ACTIVITIES ASSISTANT DIRECTOR**

**CYS HOMEWORK CENTER LEAD**

**CYS TECHNOLOGY LAB ASSISTANT**

**MS/TEEN HOMEWORK CENTER ASSISTANT**

CYS and MS openings are flexible hours, afternoons/evenings. High school diploma plus childcare/youth experience, childcare clearance required.

**USAKA/RTS has the following job vacancy. For job information, call Cris Foster, USAKA/RTS Civilian Personnel, 54417. Applications must be completed on line at <http://www.cpol.army.mil>, or USAJobs at <http://www.usajobs.opm.gov>.**

**PROGRAM COORDINATOR, GS-0301-13,**

USAKA Directorate for Business Management. 24-month overseas tour with transportation and housing agreement. Announcement No. SCBK04614797 at CPOL website. Closes Feb. 12.

## WANTED

**QUARTERS NEEDED** for relative visiting Jan. 29-Feb. 25, or any segment of time therein. Will take care of pets and plants. Call Carolyn, 55509.

**27" COLOR TV, BQ size and VHS movies.** Call 52308.

**BICYCLES** in reasonably good working order or needing minor repairs can be donated to the junior/senior high school PTSO for use by Ebeye students while on Kwajalein as transportation on school activities. To donate a bike, call Gregg, 59747H/50952W, or Jennifer, 51950H.

## LOST

**BLUE CHECKBOOK,** on high school field Jan. 22. Call 53787.

## FOR SALE

**CAT CARRIER** with food and water trays, \$25; covered cat litter box with scoop and plastic exit mat, \$15; miniblinds: one 22½", one 24½", two 32½", one 34", two 35½", three 38½", all in white, one 31½" in beige, \$5 each; ScubaPro booties, size medium, blue, like new, \$10. Call 52244, evenings or weekends.

**LA-Z-BOY recliner,** \$150; men's rollerblades, new, size 9; women's and men's shoes and clothing; Kwaj-condition patio table and chairs; two nylon bag lounge chairs; two rugs. Call 53692, 1-9 p.m., or leave a message.

**BENOTTO RACING bike,** perfect for Rustman, \$275; five-gallon aquarium with all accessories, \$30; 9.9 hp four-stroke longshaft Yamaha outboard, runs great, \$1,000. Call Mike, 55987.

**KING-SIZE BED,** \$275; bed covers; two dresser lamps, \$10; hide-a-bed sofa, \$600; Stradalounger

chair, \$90; ladies' recliner, \$200; Sony 27" TV, \$225; Sony VCR, \$60; GE VCR, \$50; entertainment center, \$125; round table with glass, \$10; pole lamp, \$15; kitchen table, \$200; Minolta 35mm camera with lens, filters and case, \$300. Call 54165.

**COMPUTER DESK,** \$40; electric hedge trimmer, new, \$35; entertainment center, \$50; Rubbermaid locker, \$150; propane cooker, \$35 with tank. Call 51357.

**DOG KENNEL,** large, \$50 or best offer. Call 54540.

**NEW DVD "Lord of the Rings: Two Towers,"** extended version, \$30. Call 51175.

**NIKON 6006 SLR** with Nikon 35-70mm, Tokina 70-200mm, Tamron 300mm lenses, \$200 or best offer. Call 52573.

**MAPS** from around the world, \$20 for all; twelve Hawaiian music CDs and two Peruvian music CDs, \$5 each. Call 51475.

## COMMUNITY NOTICES

**FIFTH GRADE** Beginning Band Concert is Thursday, Jan. 29, 7 p.m., in the MP room.

**UNTIL FURTHER NOTICE.** driver education students will be driving only in the area bordered by 8th Street on the north and then around the airfield.

**IT'S THAT** time of year again. Kwajalein Filipino Civic Club holds its induction of officers and Valentine's Day dance Feb. 15, 5 p.m., at the Pacific Club. RSVP by Feb. 1 to Marilyn, 52800 or 53999, or Dolly, 53534.

**COME JOIN** the fun in Tiger Scouts. Discover and share during character building activities and field trips. Tiger Scouts is open to all first grade boys. Meeting time to be announced. Questions? Call Cathy, 54352.

**NATIONAL HONOR Society,** grades 10-12 and National Junior Honor Society, grades 7-9, inductions will be held soon. Student information meeting will be tomorrow, 3:15 p.m., in the MP room. Parent information meeting will be Jan. 30, 7 p.m., in the MP room. Questions? Call Mrs. Peterson, 52011.

**PRIVATELY OWNED** vehicles, including electric scooters, are not authorized at USAKA. Residents and employees currently using them have a grace period until Feb. 1 to discontinue use. The policies and regulations related to this are being revised to comply with Army policies and current safety requirements. Questions? Call Bert Godlewski, 51905.

**4-H CLUB.** It's not just about cow, plows and sows. Youth 8-18 and their parents are invited to attend the Kwajalein 4-H Club Kick Off, Friday, Jan. 20, 6-7 p.m., in the elementary school music room. Come learn about this great program and enroll in club current offerings. Space is limited. Parents/guardians must accompany their children. Questions? Call Heather, 53796.

USAKA is at FPCON BRAVO. Keep alert and report any suspicious parcels, vehicles, persons or activities to the police department, 54445. Badges do not need to be displayed, but should be in your possession at all times. FPCON BRAVO will remain in place until further notice.

**FRIGATE FLYING Club** meeting is Thursday, Jan. 29, 6 p.m., in Building 735 conference room. Questions? Call Joe Marshall, 50781.



**Kwajalein Yacht Club**

**Monthly meeting is Saturday, Jan. 31, 6:30 p.m., at the Yacht Club. Dinner will be provided.**

ATTENTION BOWLERS: A new bowling league starts Friday, 6 p.m. It will run for 17 weeks. Four bowlers per team. Sign up at the Bowling Center as a team or individual. Ages 16 and up. For more information, call 53320.

GEORGE SEITZ PTO meeting is Wednesday, Jan. 28, 7 p.m., in the elementary music room.

KWAJALEIN SPORT-FISHING Club meets Wednesday, Jan. 28, 7 p.m., at boat lot 42. Officer elections will be held.

KWAJALEIN ART Guild sells art supplies every Monday, noon-1:30 p.m., at the Art Annex. Questions? Call Bev, 54585, or Bob, 52244, evenings.

MONTHLY ORIENTATION and optional EBEYE CULTURAL TOUR is Wednesday, Jan. 28. To take the Ebeye Cultural Tour, meet at the DSC in time to catch the 7:20 a.m. ferry. Women should wear long dresses or modest skirts. Sunscreen and bottled water are recommended. Questions should be directed to Host Nation, 54848. ISLAND ORIENTATION begins at 1 p.m. in CAC room 7. Orientation is mandatory for all new island arrivals and recommended for family members over 10 years of age. Questions should be directed to KRS ES&H, 51134.

WEDNESDAY BOWLING LEAGUE starts Jan. 28. Be early to form a team assignment if you need a team. A short league meeting starts at 6 p.m. Questions? Call Bard, 52686, or the Bowling Center, 53320.

HEARING SCREENING tests at the junior/senior high school for students in grades 7-12 will be given Jan. 31.

# Gilligan's Bar & Grill



UNTIL FURTHER NOTICE, GILLIGAN'S WILL BE OPEN  
7 DAYS PER WEEK WITH A LIMITED BAR MENU FROM  
THE GRILL ON MONDAY THRU WEDNESDAY AND  
FAMILY DINING THURSDAY THRU SUNDAY.  
WE WILL BE CLOSED TONIGHT FOR A  
PRIVATE FUNCTION.

HAPPY HOUR  
4:30-6:30 P.M.



THREE PALMS SNACK BAR

BACK BY POPULAR DEMAND,  
PRIME RIB NIGHT IS EVERY MONDAY, 5-8 P.M.

# PIZZA AND A MOVIE



UNACCOMPANIED PERSONNEL: Join us at the ARC Thursday, Jan. 29, 6 p.m., for Pizza and Movie Night. "The Count of Monte Cristo" will be showing. Bring a friend for food and fun. Sponsored by the Island Memorial Chapel. Questions? Call Lydi, 54223.



OPERATION FLINTLOCK

Press Prepares Japan For Bau  
Honolulu Star-Bulletin HOME EDITION  
MARSHALLS INVADED  
U. S. Forces Land On Kwajalein Atoll  
U. Battles Veto On Kwajalein

The 60th anniversary of Operation Flintlock is Jan. 29-Feb. 4. Schedule of events is as follows:

**Saturday, Jan. 31:** Guests met by color guard, Pipes and Drums and community. 40's music dinner dance at club. Tickets \$15. Call 54932.

**Sunday, Feb. 1:** Guests are at Vets' Hall for pupus and live music.

**Monday, Feb. 2:** Dedication of Operation Flintlock monument at the flag poles. Community is invited to attend.

**Tuesday, Feb. 3:** Book discussion with Maj. Gen. (Ret.) Perry Smith, 6:30 p.m., in the MP room. Community invited to attend.

# Neither wind nor rain dampen Trace County show

By Jan Waddell  
Reporter

And the band played on ...  
Friday night, under threatening skies, Trace County took the stage at Emon Beach to the delight of young and old.

The wind picked up, and before long, the skies opened up. But that didn't dampen the spirit of those who came to enjoy the evening.

Underneath umbrellas and hooded rain coats the crowd danced and listened to the down-home country-rock tunes.

They played a variety of crowd favorites from the "Devil Went Down to Georgia," to the "Tennessee Waltz."

Jerome McComb, lead singer/songwriter for Trace County, kicked up the level of entertainment by joining some of the younger fans on the dance floor.

Trace County also played the "Hokie Pokie" as the kids and adults took to the dance floor.

McComb invited Kate Lord, who was visiting her daughter Alison Lord, on stage and honored her with a special song.

"We want people to have a good time," McComb said. "We are like Dwight Yoakam on steroids."

McComb along with drummer, Gary Hassler, lead guitarist Greg Stephens and newest member, Issac Callender, on fiddle, make up Trace County, which hails from Spokane, Wash.

They've been together for about three years. McComb said they had just gotten out of bands when they formed Trace County and planned to play a couple of venues a month.

"Things snowballed from there," he added. "It has been a crazy ride."

They opened for country artists



(Photo by Jan Waddell)

Cowboy and Lexy Galloway two-step as Trace County performs with Greg Stephens on guitar and Jerome McComb playing bass guitar and singing lead vocals.

LeAnn Rimes and Pat Green and jammed with Brooks and Dunn.

About a year and half ago, Trace County released their first CD "Something left Behind." The have also currently have a hit single "Over Texas," which McComb wrote in about 20 minutes, while circling Texas, waiting for their turn to land, McComb said.

"I wasn't born in Texas, but I love it there," he added.

Trace County visited Kwajalein and Roi-Namur which was their last

stop in their American Forces Entertainment tour that started in Korea. They played eight shows in eight days in Korea hitting every American base there, McComb said.

From Korea they traveled to Japan where they spent five days entertaining the troops before departing for Guam where they also spent five days. Kwajalein has since made an impression, as well.

"This place [Kwajalein] is gorgeous," McComb said. "We hope to come back."

## Weather

Courtesy of RTS Weather

**Tonight:** Partly cloudy with isolated showers.

**Winds:** Northeast to east at 12-18 knots with occasional higher gusts.

**Tomorrow:** Partly to mostly sunny with a few showers.

**Winds:** East-northeast at 15-20 knots with higher gusts near showers.

**Temperature:** Tonight's low 80°  
Tomorrow's high 86°

**January rain total:** 0.70"

**Annual rain total:** 0.70"

**Annual deviation:** -3.59"

Call 54700 for updated forecasts and sea conditions.

## Sun • Moon • Tides

	Sunrise/set	Moonrise/set	High Tide	Low Tide
<b>Tuesday January 27</b>	0710/1853	1110/2334	0739, 4.4' 1943, 4.7'	0134, 1.0' 1333, 1.4'
<b>Wednesday January 28</b>	0710/1854	1148/	0815, 4.2' 2013, 4.2'	0203, 1.3' 1411, 1.8'
<b>Thursday January 29</b>	0710/1854	1227/0019	0857, 4.0' 2048, 3.7'	0233, 1.6' 1500, 2.2'
<b>Friday January 30</b>	0710/1855	1306/0105	0959, 3.8' 2149, 3.2'	0310, 1.9' 1626, 2.5'