

THE KWAJALEIN HOURGLASS

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U.S. Army Kwajalein Atoll, Republic of the Marshall Islands

The worse the weather is, the better they like it!

By land, sea, and air, Tropical Rainfall Measuring Mission to survey weather data

Story and photos by Pat Cataldo

Some residents are bummed these days by the cloudy skies and frequent rain storms. Others are resolutely cheerful: "We need the rain; we're down nearly 14 inches for the year, not to mention the 30 inches we're down for last year. Rain is good."

But one group is very happy about it all. The worse the weather is, the better they like it. They are the hundred or so university students, professors, and scientists gathering at Kwajalein to conduct the Tropical Rainfall Measuring Mission (TRMM) field campaign.

The campaign, called the Kwajalein Experiment or KWAJEX, is scheduled July 23 to Sept. 15. A total of about 300 students and scientists will have rotated in and out before the campaign is concluded.

The purpose of the experiment is to obtain physical validation of information being gathered by the TRMM weather satellite. This eye in the sky was placed in orbit in November 1997 through a joint effort of NASA and the Japanese space agency, NASDA.

KWAJEX is the fourth and final ground validation program in a series that includes campaigns in Texas, Florida, and Brazil. Like the other programs, KWAJEX is sponsored by NASA, under the direction of Dr. Ramesh Kakar of NASA, and in cooperation with the National Oceanic and Atmospheric Administration. At Kwajalein, the Aeromet weather station is providing a dedicated forecaster and other active support, including the use of its S-band weather radar.

Experiment instruments and operations will be focused on six islands, one ship, and three aircraft.

The islands are Kwajalein, Roi-

(Continued on page 2)



Dr. Sandra Yuter, standing, TRMM project science coordinator, watches as student volunteers in the TRMM KWAJEX Operations Center near the weather station bring up radar images of weather in the area. From front, Anita Rapp, Texas A&M; Wendy Parker, UW; George Biebereach, Florida State; and Catherine Spooner, UW.



Steve Hipskind, left, TRMM project manager, checks out the shelter being put in place at Lae Atoll, where pairs of scientists will rotate on two- to four-week stints, launching balloons that will gather data on temperature, humidity, and wind conditions.

Quarters of the Quarter awards

Story and photos by Cynthia Brewer
USAKA/KMR Public Affairs

The Quarters of the Quarter program is designed to recognize residents for displaying a sense of pride with a flair for arrangement and attention to detail in gardening that makes their yards a delight to stroll by.

Five homes have been selected for the third quarter of 1999. Selections are made on curb appeal.

Winners receive a \$50 gift certificate from Macy's, a certificate of appreciation from the commander, and have their photographs in the *Hourglass*.

Winners this quarter were: Craig and Toni Seiler, Qtrs. 124-A, North area; Robert and Lilet Fore, Qtrs. 447-A, Central area; Adam and Fran Rozyskie, Qtrs. 407-B, Ocean area; Kathy Campbell, Tr. 573, South area; Mary Cisler, Tr. 635, Emon area.

The next judging for Quarters of the Quarter will be in October.



Craig and Toni Seiler, in Qtrs. 124-A, were awarded first place for the North area.



Robert and Lilet Fore, in Qtrs. 447-A, won the award for the Central area.



Adam and Fran Rozyskie took top honors for Qtrs. 407-B in the Ocean area.



Kathy Campbell, of Tr. 573, placed first for the South area.



Mary Cisler, of Tr. 635, garnered the award for the Emon area.

Kwajalein Amateur Radio Club—reaching out to touch someone

Story and photo by Bob Fore

With all the amenities available to us on our little island paradise, it is easy to forget how truly remote our location is. After all, when you are talking thousands of miles to the nearest big cities, the simple statement, "I'm going to town," takes on a whole new meaning.

Years before the first personal long-distance telephone service was offered here, there was an entity that helped island residents stay in touch with family and friends back home. It was the Kwajalein Amateur Radio Club, an important, if nowadays rather unheralded, presence.

Many of us know the club exists, and might even be able to tell you that it is located next to the adult pool in a nondescript cement block building with several strange looking antennae. But that might well be the extent of our knowledge.

The structure's official name is the Military Affiliate Radio System (MARS) building. Built in the 1950s, it is also known as the ham shack. Most of the radio equipment is provided courtesy of USAKA/KMR.

MARS is an organization of more than 5,000 volunteer and paid radio operators worldwide who provide emergency and crisis communications for military, civil, and disaster officials. Kwajalein's MARS station is part of that network and is operated by radio club volunteers.

In the 1960s personal calls from Kwaj to the States and other overseas locations were made through the military's HF radio system, or by one of several telephone lines to Honolulu.

Kwajalein's radio club consists of 18 members who make use of the two high-frequency (HF) radio systems at the facility. Several of the members have some of their own equipment in their homes; the newest member is going to experiment with satellite communications on his own at authorized frequencies.

The club frequently plays host to groups of homeschoolers and scouts, where they use the facility to speak with people from different countries.

Sam Gorham, seated left, vice president of the Amateur Radio Club switches frequencies on one of the HF radio systems at the Ham Shack. Looking on are Dave Fortin, club president, seated right, and guests Bartley Cardon, standing left, and Ben Leon. Anyone interested in learning more about the hobby of amateur radio is welcome to call or visit the Ham Shack.



The radio club is a valuable asset in times of emergency. For example during Typhoon Zelda in November 1991, for a time all communications were down with Roi-Namur. It was the radio club that maintained contact until the regular communications were re-established. For this service, the club received a letter of commendation from the commander.

"When Hurricane Iniki hit Hawaii in September 1992, radio operators from Kwaj picked up and relayed signals from Hawaiian radio operators requesting assistance," said Sam Gorham (radio call V73A), club vice-president.

Club members are licensed not only in the U.S., but also through a reciprocal agreement with the Republic of the Marshall Island's government in Majuro.

There are more than 650,000 licensed amateur radio operators in the United States. In addition to meeting people from around the world over the radio waves, hams are involved in contests of all types and descriptions. Examples might be contacting the most states, countries, or islands in a given amount of time.

"Amateur radio offers a full spectrum of expressing yourself in the hobby, whether it is building your own equipment, talking with people from around the world, or contesting," said Bartley Cardon (KD1KG), a visiting MIT/Lincoln Lab staff member, and long-time amateur radio operator.

New projects on the horizon for

the radio club include plans to attempt contact with a space shuttle through the Shuttle Amateur Radio Experiment (SAREX).

Additionally, there are plans to include amateur radio experiments on the international space station, which radio club members hope to contact when it becomes operational.

The club offers testing for all six levels of radio operators' licenses on an as-need basis. The club also has plans for offering a class through Community Education this fall for anyone interested in getting started in the hobby. The course will provide beginners with the necessary knowledge to get started, and act as a stepping stone to other, more involved licenses available to amateur radio operators.

Ben Leon (V73UB), is the U.S. Army field office representative for Ground Based Radar-Prototype who visits Kwaj on a regular basis.

"Amateur radio is a great way to stay in touch with your kids in New Hampshire or friends in Hawaii," Leon said.

"You are welcome to come in anytime you see a bike out front," said Dave Fortin (V73UX), club president, "the radio club has much to offer. It's a great way to break into this hobby and work with good equipment at negligible cost."

For more information, you can contact Dave Fortin at 53605, or the amateur radio club in the evenings at 53508.



Tonight

Channel 9

- 5:00 Jeopardy!
- 5:30 NBC Nightly News
- 6:00 **Window on the Atoll/Bulletin Board**
- 6:30 Showbiz Today
- 7:00 Friends
- 7:30 Jesse
- 8:00 Frasier
- 8:35 Will and Grace
- 9:00 ER
- 10:00 Headline News
- 10:35 Tonight Show with Jay Leno
- 11:35 Late Show with David Letterman

Channel 13

- 5:00 Headline News
- 5:30 ESPNews
- 6:00 Nightline
- 6:30 Headline News
- 7:00 MLB: Blue Jays/Indians
- 10:00 Sportscenter
- 11:00 48 Hours

Saturday, July 24

Channel 9

- 12m Late Show with David Letterman
- 12:35 ESPNews
- 1:05 **Movie: "Season of Hope" (PG)**
- 3:00 **Movie: "Skokie" (PG)**
- 5:00 Headline News
- 5:30 **Bulletin Board**
- 6:00 The Today Show
- 8:00 Headline News
- 8:30 **Bulletin Board**
- 9:00 Sesame Street
- 10:00 Shining Time Station
- 10:30 Kiana's Flex Appeal
- 11:00 Oprah Winfrey
- 12n **Window on the Atoll/ Bulletin Board**
- 12:30 Wheel of Fortune
- 1:00 Port Charles
- 1:25 Guiding Light
- 2:15 General Hospital
- 3:05 Sylvester and Tweety Mysteries
- 3:30 Jack Hanna's Animal Adventures
- 4:00 Xena: Warrior Princess
- 5:00 Jeopardy!
- 5:30 NBC Nightly News
- 6:00 **Bulletin Board**
- 6:30 Showbiz Today
- 7:00 The Simpsons
- 7:30 The Hughleys
- 8:00 Star Trek: Voyager
- 9:00 The X-Files
- 10:00 Headline News
- 10:35 Tonight Show with Jay Leno
- 11:35 Late Show with David Letterman

Channel 13

- 12m ABC News "Vanished"
- 1:00 Headline News
- 1:30 Morning Business Report
- 2:00 Good Morning America
- 4:00 Tour De France
- 4:30 X-Games Preview/Recap
- 5:00 Triathlon
- 6:00 ISKA Karate
- 7:00 MSNBC Newfront
- 8:00 Headline News
- 8:30 Burden of Proof
- 9:00 Inside Politics

- 10:00 Headline News
- 10:30 NBC Nightly News
- 11:00 ABC World News Tonight
- 11:30 MLB: Braves/Phillies
- 2:30 CBS Evening News
- 3:00 PBS Newshour
- 4:00 Headline News
- 4:30 Nightly Business Report
- 5:00 Headline News
- 5:30 ESPNews
- 6:00 Nightline
- 6:30 Headline News
- 7:00 MLB: Padres/Astros
- 10:00 Sportscenter
- 11:00 Dateline Friday

Sunday, July 25

Channel 9

- 12m Late Show with David Letterman
- 1:05 **Movie: "Patriot Games" (Action, 1992, PG)** Jack Ryan thwarts a terrorist attack, making the terrorist look for revenge on Ryan and his family. (Harrison Ford, Anne Archer)
- 3:05 **Movie: "To Die For" (Horror, 1989, PG)** A modern version of Dracula played out in Los Angeles. (Brendan Hughes, Sydney Walsh)
- 5:00 Headline News
- 5:30 ESPNews
- 6:00 **Bulletin Board**
- 6:30 Classic Cartoon
- 7:00 Sesame Street Specials
- 7:30 Puzzle Place
- 8:00 Disney's Pepper Ann
- 8:30 Disney's Hercules
- 9:00 Rugrats
- 9:30 New Ghostwriter Mysteries
- 10:00 Hometown
- 10:30 California's Gold
- 11:00 **Bulletin Board**
- 11:30 The View
- 12:30 Can't Hurry Love
- 1:00 7th Heaven
- 2:00 Road to Avonlea
- 3:00 Dr. Quinn Medicine Woman
- 4:00 Touched By An Angel
- 5:00 **Movie: "Escape From Alcatraz" (Drama, 1979, PG)** True story of how convicts escaped from what was supposed to be an escape-proof prison. (Clint Eastwood, Patrick McGohohan)
- 7:00 Beverly Hills, 90210
- 8:00 CBS/Time: People of the Century
- 9:00 20/20 Friday
- 10:00 Headline News
- 10:30 Saturday Night Live

Channel 13

- 12m 20/20 Friday
- 1:00 CNN Saturday Morning
- 2:00 CNN Showbiz
- 2:30 CNN Style with Elsa Klensch
- 3:00 CNN Saturday
- 3:30 CNN Page One with Nick Charles
- 4:00 NASCAR CraftsmanTrucks
- 5:00 MLB: Cubs/Mets
- 8:00 PGA Golf
- 10:00 NASCAR CraftsmanTrucks
- 12n Headline News
- 12:30 Navy/Marine Corps News
- 1:00 Tennis: U.S.A./Italy
- 3:00 NBA: Team USA Pre-Olympic Qualifying
- 5:00 Headline News
- 5:30 McLaughlin Group
- 6:00 Washington Week in Review
- 6:30 Wall Street Journal Report
- 7:00 MLB: Dodgers/Diamondbacks
- 10:00 Tour De France
- 11:00 Motor Week
- 11:30 Sports Truck Connection

Monday, July 26

Channel 9

- 12m Wrestlemania '99
- 3:00 **Movie: "Legal Eagles" (PG)**
- 5:00 Headline News
- 5:30 Hour of Power
- 6:00 Breakthrough
- 6:30 **Bulletin Board**
- 7:00 Animaniacs
- 7:30 The Magic School Bus
- 8:00 Disney's Aladdin
- 8:30 Goof Troop
- 9:00 Sunday Today
- 10:00 Promised Land
- 11:00 **Bulletin Board**
- 11:30 Better Homes and Gardens
- 12n Simpsons
- 12:30 Home Improvement
- 1:00 Star Trek: Deep Space Nine
- 2:00 Science Times
- 3:00 New Detectives
- 4:00 ER
- 5:00 **Movie: "Ferris Bueller's Day Off" (Comedy, 1986, PG)** Adventures of a high schooler who cuts school for a day. (Matthew Broderick, Alan Ruck)
- 7:00 Kids Say the Darndest Things
- 7:30 Candid Camera
- 8:00 **Movie: "Hostile Advances: Kerry Ellison" (PG)**
- 10:00 Headline News
- 10:30 Discover Magazine
- 11:30 Austin City Limits

Channel 13

- 12:00 CNN Sunday Morning
- 1:00 CBS Sunday Morning
- 2:30 CBS Face the Nation
- 3:00 CNN International
- 3:30 CNN Style with Elsa Klensch
- 4:00 Hall of Fame Induction
- 4:30 Inside/Senior PGA Tour
- 5:00 Women's Tennis
- 7:00 PGA Golf
- 10:00 ISKA Karate
- 11:00 Headline News
- 11:30 Army Newswatch
- 12n CART Auto Racing
- 3:30 CNN Sports Sunday
- 4:00 CNN Perspectives
- 5:00 **Bulletin Board**
- 5:30 Headline News
- 6:00 ABC This Week
- 7:00 MLB: Cubs/Mets
- 10:00 ESPN Sportcenter
- 11:00 Dateline NBC Sunday

Tuesday, July 27

Channel 9

- 12m Austin City Limits
- 12:30 America's Black Forum
- 1:00 Friday Night
- 2:00 Video Links
- 3:00 **Movie: "An American in Paris" (Musical, 1951, PG)** An artist is torn between two women. (Gene Kelly, Leslie Caron)
- 5:00 Headline News
- 5:30 **Bulletin Board**
- 6:00 The Today Show
- 8:00 Headline News
- 8:30 **Bulletin Board**
- 9:00 Sesame Street
- 10:00 Big Bag
- 10:30 Kiana's Flex Appeal
- 11:00 Oprah Winfrey
- 12n **Bulletin Board**
- 12:30 Wheel of Fortune
- 1:00 Port Charles
- 1:25 Guiding Light
- 2:15 General Hospital
- 3:05 All Dogs Go to Heaven

3:30 Superman
4:00 Journey of Allen Strange
4:30 Kenan and Kel
5:00 Jeopardy!
5:30 NBC Nightly News
6:00 **Bulletin Board** 
6:30 Showbiz Today
7:00 60 Minutes
8:00 Sports Night
8:30 The King of Queens
9:00 The Practice
10:00 Headline News
10:35 Tonight Show with Jay Leno
11:35 Late Show with David Letterman

Channel 13

12m Navy/Marine Corps News
12:30 Army Newswatch
1:00 Headline News
1:30 Morning Business Report
2:00 Good Morning America 
4:00 Tour De France 
5:00 NBA:Team USA Pre-Olympic Qualifying
7:00 ABC 20/20 Sunday
8:00 Headline News
8:30 Burden of Proof
9:00 MSNBC
10:00 Headline News
10:30 NBC Nightly News
11:00 ABC World News Tonight
11:30 WNBA: Sting/Liberty 
1:30 Indy Lights
2:30 CBS Evening News
3:00 PBS Newshour
4:00 Headline News
4:30 Nightly Business Report
5:00 Headline News
5:30 ESPNews
6:00 Nightline
6:30 Headline News
7:00 PRCA Rodeo
8:00 USAC Racing 
10:00 Sportscenter
11:00 Dateline Monday

Wednesday, July 28

Channel 9

12m Late Show with David Letterman
12:30 ESPNews
1:05 **Movie: "Total Recall" (Action, 1990, PG)** Schwarzenegger realizes that some one has tampered with his brain, gets his identity back, then travels to Mars to fight a madman. (Arnold Schwarzenegger, Rachel Ticotin)
3:10 **Movie: "My Girl 2" (Drama, 1994, PG)** A girl visits her uncle in Los Angeles to learn about her mother who died when she was born. (Dan Aykroyd, Jamie Lee Curtis)
5:00 Headline News
5:30 **Bulletin Board** 
6:00 The Today Show 
8:00 Headline News 
8:30 **Bulletin Board**
9:00 Sesame Street
10:00 Teletubbies
10:30 Co-ed Training
11:00 Oprah Winfrey 
12n **Bulletin Board**
12:30 Wheel of Fortune
1:00 Port Charles
1:25 Guiding Light
2:15 General Hospital
3:05 Mighty Ducks
3:30 SquiggleVision
4:00 Nick News
4:30 Scholastic Sports
5:00 Jeopardy!
5:30 NBC Nightly News 
6:00 **Bulletin Board**
6:30 Showbiz Today
7:00 Whose Line is it Anyway?

7:30 **Movie: "First Knight" (PG)**
10:00 Headline News
10:35 Tonight Show with Jay Leno
11:35 Late Show with David Letterman

Channel 13

12m 20/20 Monday
1:00 Headline News
1:30 Morning Business Report
2:00 Good Morning America
4:00 ESPN2 Boxing
6:30 NBA Inside Stuff
7:00 MSNBC Newsfront
8:00 Headline News
8:30 Burden of Proof
9:00 Inside Politics
10:00 Headline News
10:30 NBC Nightly News
11:00 ABC World News Tonight
11:30 CBS Evening News
12n MLB: Yankees/White Sox 
3:00 PBS Newshour
4:00 Headline News
4:30 Nightly Business Report
5:00 Headline News
5:30 ESPNews
6:00 Nightline
6:30 Headline News
7:00 MLB: Reds/Dodgers 
10:00 Sportscenter
11:00 Dateline Tuesday

Thursday, July 29

Channel 9

12m Late Show with David Letterman
12:30 ESPNews
1:05 **Movie: "Red Heat" (Action, 1988, PG)** Soviet cop and Chicago policeman chase drug dealer. (Arnold Schwarzenegger)
3:00 **Movie: "Gorillas in the Mist" (Drama, 1988, PG)** The story of Dian Fossey's time in Africa studying mountain gorillas. (Sigourney Weaver, Bryan Brown)
5:00 Headline News
5:30 **Bulletin Board** 
6:00 The Today Show
8:00 Headline News
8:30 **Bulletin Board** 
9:00 Sesame Street
10:00 Shining Time Station
10:30 Body Shaping
11:00 Oprah Winfrey
12n **Bulletin Board** 
12:30 Wheel of Fortune
1:00 Port Charles
1:25 Guiding Light
2:15 General Hospital
3:05 Disney's The Little Mermaid
3:30 Gargoyles
4:00 Hang Time
4:30 Legends of the Hidden Temple
5:00 Jeopardy!
5:30 NBC Nightly News 
6:00 **Bulletin Board**
6:30 Showbiz Today
7:00 Sabrina the Teenage Witch
7:30 Boy Meets World
8:00 Dawson's Creek
9:00 Ally McBeal
10:00 Headline News
10:35 Tonight Show with Jay Leno
11:35 Late Show with David Letterman

Channel 13

12m 60 Minutes II
1:00 Headline News
1:30 Morning Business Report
2:00 Good Morning America
4:00 Billiards
5:00 ISKA Karate
6:00 Motoworld
6:30 RPM 2Night
7:00 60 Minutes II

8:00 Headline News
8:30 Burden of Proof
9:00 Inside Politics
10:00 Headline News
10:30 NBC Nightly News
11:00 ABC World News Tonight
11:30 MLB: Teams TBA 
2:30 MLB: Teams TBA
5:30 ESPNews
6:00 Nightline
6:30 Headline News
7:00 MLB: Astros/Rockies 
10:00 Sportscenter
11:00 Dateline Wednesday

Friday, July 30

Channel 9

12m Late Show with David Letterman
12:35 ESPNews
1:05 **Movie: "Commando" (Action, 1985, PG)** An government agent comes out of retirement to save his kidnapped daughter. (Arnold Schwarzenegger)
2:40 **Movie: "Electric Horseman" (Drama, 1979, PG)** (Robert Redford, Jane Fonda)
5:00 Headline News 
5:30 **Bulletin Board** 
6:00 The Today Show
8:00 Headline News 
8:30 **Bulletin Board** 
9:00 Sesame Street
10:00 Teletubbies
10:30 Co-Ed Training
11:00 Oprah Winfrey 
12n **Bulletin Board**
12:30 Wheel of Fortune
1:00 Port Charles
1:25 Guiding Light
2:15 General Hospital
3:05 Animaniacs
3:30 Pokemon
4:00 Hercules: The Legendary Journeys
5:00 Jeopardy!
5:30 NBC Nightly News 
6:00 **Window on the Atoll/Bulletin Board** 
6:30 Showbiz Today
7:00 Friends
7:30 Jesse
8:00 Frasier
8:35 Will and Grace
9:00 NYPD Blue
10:00 Headline News
10:35 Tonight Show with Jay Leno
11:35 Late Show with David Letterman

Channel 13

12m 20/20 Wednesday
1:00 Headline News
1:30 Morning Business Report
2:00 Good Morning America
4:00 USAC Racing 
6:00 ISKA Karate
7:00 MSNBC Newsfront
8:00 Headline News
8:30 Burden of Proof
9:00 Inside Politics
10:00 Headline News
10:30 NBC Nightly News
11:00 ABC World News Tonight 
11:30 ML Soccer: Mutiny/Fusion
1:30 NHRA Drag Racing 
2:30 CBS Evening News
3:00 PBS Newshour
4:00 Headline News
4:30 Nightly Business Report
5:00 Headline News
5:30 ESPNews
6:00 Nightline
6:30 Headline News
7:00 MLB: Diamondbacks/Padres 
10:00 Sportscenter
11:00 48 Hours

Classified Ads and Community Notices

Lunch	CAFE PACIFIC
Sat	Cheese enchilada bake ★ Chicken teriyaki Saimin bar Grill: Jumbo chili dogs
Sun	Roasted herb chicken ★ Beef liver, bacon, and onion German food bar
Mon	Baked stuffed zucchini ★ Mexican pork adobo Nacho bar
Tues	Stuffed manicotti ★ London broil Saimin bar Grill: Barbecued pork sandwich
Wed	Cajun shrimp with rice ★ Barbecued spare ribs Top-your-own burrito bar Grill: Ham and Swiss croissant
Thur	Vegetarian fajita ★ Country-fried chicken Super taco salad bar Grill: Rubeen sandwich
Fri	Chicken jambalaya ★ Slow-roasted top round Fish and chips Grill: South of border burger
Dinner	
Tonight	Turkey vegetable stir-fry ★ Beef macaroni with tomatoes Chicken supreme Fish and chips
Sat	Vegetarian stuffed peppers ★ Chicken-fried steak and gravy Super burrito bar
Sun	Vegetarian lasagna roll ★ Barbecued chicken German food bar
Mon	Fresh vegetable stir-fry ★ Grilled pork chops Nacho bar
Tue	Ham and Swiss quiche ★ London broil Saimin bar
Wed	Beef and broccoli stir-fry ★ Spaghetti and meatballs Top your own burrito bar
Thur	Garden vegetable stir-fry ★ Country-fried chicken Super taco salad bar
	★ <i>This symbol denotes the Wellness Menu.</i>
	YOKWE YUK CLUB LUNCH SPECIALS
Sat	Falafel
Tues	Chicken pot pie
Wed	Fish sandwich with homemade chips
Thur	Chicken and cheese quesadillas
Fri	Chicken sataay with peanut sauce
	YOKWE YUK CLUB DINNER SPECIALS
Tonight	Pasta with clam sauce Prime rib
Sat	Pork chops with au gratin potatoes Prime rib
Sun	Lemon chicken with pasta Prime rib
Wed	Shrimp omelet Flank steak with mustard sauce
Thur	Family Night Cajun corn and shrimp bisque Chicken and sausage gumbo ya ya Fried catfish with hot sauce
	Kids' menu Chicken fingers and fries
	Pizza and meal takeout/delivery available at Three Palms Snack Bar. Call 53409.

HELP WANTED

TRAFFIC AGENT, Aviation Dept. Full-time position. Individual will be responsible for ensuring safe and timely loading and off-loading of commercial and military passenger and cargo aircraft; conducting emergency ticketing; utilizing airline-style computer systems for cargo and passenger processing and accountability. For more information or to submit an application, call HR, Nancy, 53705.

ACCOUNTING CLERK, Finance Dept. Full-time position. Duties include daily cash handling; reconciling cash drawer; accepting payments from customers and cashing checks; preparing daily bank deposits; posting customer accounts and assisting with reports. Must be familiar with Oracle system, Word, and Excel. Submit application to HR, Nancy, 53705.

SENIOR ACCOUNTING CLERK, Finance Dept. Part-time position. Individual will be responsible for preparing and entering journal entries into automated financial system; performing spreadsheet analysis in Microsoft Excel; preparing invoices and resolving customer billing issues; and expense report processing. For more information or to submit an application, call HR, Nancy, 53705.

HOURLASS needs substitute paper carriers. Must be able to work after school Tuesdays and Fridays when needed. Call Jim, 53539.

TEACHERS, College of the Marshall Islands (CMI). Paid positions, full-time and part-time. Especially need someone to teach computer programming classes. For more information, call Jeff Jones, 52188.

KMR TECHNICAL LIBRARIAN. Full-time position. Individual will research publication requirements in conformance with the USAPA/AFTO guidelines; establish procedures to implement revised ordering regulations; receive, classify, index, tag, and shelve technical library books; must have Windows NT, MS Access, and Internet research experience. For more information, call HR, Nancy, 53705.

SECRETARIAL and MAIL CLERK positions, USAKA/KMR. Several secretarial and mail clerk positions are vacant or soon-to-be vacant throughout USAKA/KMR. Applicants for full-time secretarial positions or part-time or full-time mail clerk positions, call Terry Morton, 54417, or stop by the USAKA/KMR Personnel Office, Building 901, Room 209, for further details.

SUBSTITUTE INSTRUCTORS, Kwajalein Job Corps Center. College degree preferred. For more information, call 55622.

UNIVERSITY OF MARYLAND needs qualified instructors. If you would like to expand your horizons by teaching, call the office any time at 52800 and leave a message. Or e-

mail at umkwaj@kls.usaka.smdc.army.mil
Raytheon postings for on-island positions are listed in the Hourglass. Off-island positions are updated weekly in the Career Opportunities Book at the HR counter, Bldg. 700.

WANTED

PIANO, in good condition, either regular or electronic digital. Call 52201.

PLANTS, large or small, for Kwajalein Atoll Preschool. If you are interested in donating plants, call KAPS office, 52158.

LOST

ANKLE BRACELET, silver with beadwork and bear charm. Great sentimental value. Call 59232.

ZIPPERED BAG, black and blue, with camouflage poncho and two water bottles, at golf club Sunday, July 18. Call Gerry Wolf, 54622.

PLAYMATE COOLER, red-and-white 12-pack with name Billy Reynolds on the top. Fell out of truck on Saturday, July 17. Will pick up. Call 52642.

SECOND STAGE regulator, Mares model 16 Akros, no octopus, dial pressure gauge is missing back piece where compass would go, lost Monday, May 17, possibly left at the dip tank. Reward offered, no questions asked. Call 52902.

FOUND

HAT AND WATCH child's plaid Mickey Mouse hat and child's Tigger watch. Call 52370.

SERVICES OFFERED

BABY-SITTING BY responsible 10-year-old girl. I have lots of experience with my younger siblings. I would like to watch a child one to six years of age. Call Megan, 53235.

PATIO SALES

SATURDAY 7:30-10 a.m., Tr. 764. Women's clothes, shoes, swim suits, and some household goods and bedding.

MONDAY, 7:30-10:30 a.m., Qtrs. 216-A. Two-family final PCS sale. Everything must go. Toaster oven, toaster, wine glasses, carafes, curtain rods, T-shirts, dresses, 200 series blinds, curtains, and a lot more. No early birds.

MONDAY, 7:30-? Qtrs. 123-A. Baby swing, baby monitor, kids' bike that attaches to adult bike, adults' and children's clothes, Salad Shooter, baby sling, and much more.

MONDAY, 8:00 a.m.-5:00 p.m., Tr. 703. PCS sale. Bikes, pots, pans, juicer, dishes, utensils, plants, carpets, beach gear, cooler, clothes, puzzles, car models and paint, videos, patio furniture, barbecue, iron and board, coffee pot, tools, arts and crafts, and more.

FOR SALE

CANON 8 MM video camcorder with LCD

Classified Ads and Community Notices

screen, 16x lens, digital 32x zoom, hi-fi stereo sound, digital effects, image stabilizer, recording programs, fade, edit, titles, remote control, adapter, and extra battery pack, has two-year full coverage warranty, comes with tripod and camera case, new, still in box with all information, \$700. Call 51051.

TOP-OF-THE-LINE home theatre system: Carver components, Snell, Klipsh speakers, Sony 27" TV with Sony VCR, \$2,500 takes all; Panasonic five-disc changer compact stereo with remote, \$200; stainless steel girls' bike frame, \$100; brand new ScubaPro steel 95 air tank with valve, \$185; mahogany coffee table, side board and end table, all three for \$200. Call 54315 and leave a message.

DELTA 8" band saw (bench-type), including spare blades. \$160. Call 52310 after 5:00 p.m.

LEATHER CHAIR, classy, brown leather, "Eames-type" swivel, reclining, with swivel footstool. PCSing, must sell. Was \$700 new. Will sell for \$100. Call Mary 53604.

CD PLAYER, Sony, 51-disk. Good condition. \$95. Call 52674.

PANASONIC TV, 19", like new, \$275. Call 54533.

WOMEN'S GOLF CLUBS: irons, woods, golf bag, and cart. \$140. Call 54533.

DIVING GEAR, Henderson Polartec wetsuit, dive belt, Aladdin dive computer, TUSA BCD, regulator with octopus, compass and gauges, dive knife, and more. Call 58309 for prices.

IGLOO, \$5; fins, \$25; snorkel vest, \$15; regulator, \$10; Fun Island, \$10; rafts, \$4; blanket, \$5; wood shelf, \$20; wicker shelf, \$10; carpet, \$50; stool, \$2; cooler, \$3; oven, \$35; fry pan, \$25; slow cooker, \$15; hand pump, \$10; carpet cleaner, \$30; yarn, \$2

each. Call 54186 after 5:30.

MICROWAVE, \$100; microwave stand, \$25; bicycles (2), \$50 each; gas grill, \$75; 19" color TV, \$150; set of pans, \$40; silverware, \$7 (available Aug. 9). Call 54186 after 5:30.

TWO BLINDS, \$7 each; mirror, \$10; Christmas tree, \$8; end table, \$6; safe, \$25; plastic stackable bins, \$2 each; new tire tube, \$10; outlet adapters, 6 plex, \$5 each. Call 54186 after 5:30.

PINE COMPUTER table, \$60; two-drawer oak filing cabinet, \$50; racquetball racquet and balls, \$15; Ultracare EXP 07/00, \$5 each. Call 52910.

DURACRAFT ELECTRIC heater, thermostat control, 1.5 kw, oil-filled, quiet, on wheels. 18 months old. Bought for \$90. Will sell for \$70 or best offer. Call George at home 55990, or at work 52508.

NEW BIKE SEAT, never used, \$25; new bike generator head light and tail light set, never used, \$18. Call Paul, 52131 after 5 p.m.

MICROWAVE OVEN, \$100; oak CD rack, \$25; three 9' x 12' carpets (prices vary); chandelier, \$20; two snorkel vests, excellent condition, \$40 each (available Aug. 1). Call 53489.

BREADMAKER, \$75; golf cart/bagboy, \$50. Call 52622.

PCS SALE. Carpets: 9' x 12', \$40, 12' x 15', \$60; TV stand, \$40; king-size sheets, \$30; twin-size comforter and bed skirt, \$30; glider rocker, \$80; 10' palm tree, \$60. Call 52204.

COMPUTER GAMES and more: "7th Guest," \$25; "11th Hour," \$25; "Myst," \$25; PlanIt calendar program, \$10; "Mickey and Friends" screen saver, \$10; Name-It, \$15; Font Workshop, \$20; Star Trek screen posters, \$10; two power supplies for desktop computer, \$30 each; NEC dot matrix computer printer, 17" roller, many extras, \$70; rechargeable portable laptop power supply, \$200. Call 52490 after 5 p.m. or on weekends.

COMMUNITY NOTICES

GOLF COURSE green fees and locker rentals are now past due. Send payment to Community Activities, P.O. Box 23, Local, by Aug. 15. Roi-Namur residents may make payments to Roi Finance. Questions? Call Community Activities, Debbie Thomas, 53331.

ACCESS TO interior roads at the golf course is limited to official business only. When utilizing these roads, use extreme caution. The general public should use the main road along the runway and watch for golfers. Questions? Call Community Activities, 53331.

NONDENOMINATIONAL worship service, Qtrs. 228-B (Dental Clinic sign is in our front yard). Sunday: Bible classes 9:45-

ACRY Aluminum Can Recycling for Youth



Mother Nature and the youth of Kwajalein appreciate your support. Put empty beverage cans in clear plastic bags and place curbside. ACRY pickup begins at 8:30 a.m. Monday. Place cans at curbside by that time.

10:30 a.m., worship (The last week of Christ's life), 10:45-11:45 a.m. Wednesday: family Bible study (Bible characters), 7-8 p.m. For more information, call 51128.

APPOINTMENTS for Dr. Yamamoto have been completely filled. The waiting list is also full. Do not leave any messages at 52018.

KWAJALEIN DENTAL CLINIC will now schedule Wednesday evening appointments for Roi residents on a trial basis. Appointments will be available for Wednesday evenings beginning July 28, and alternate Wednesday evenings thereafter. Appointments may be made by calling 52165 during regular hours and identifying yourself as a Roi resident.

SWISS TEAM duplicate bridge winners for July 19 were: first place, George Knittel and John Irwin; second place, Paul Savage and Diane Backstrom.

KWAJALEIN FILIPINO CIVIC CLUB will hold its general meeting Sunday, 6 p.m., at the Pacific Club. Bring a dish or beverage and bring a friend. For more information, call Gail, 53629.

Macy's

Macy's outlet sale

Super bargains!!

An additional 75% off on already reduced prices.

Did You Know... ?



If you drive a personal watercraft you must have a B-boat license and file a float plan.



Classified Ads and Community Notices

The Consumer Product Safety Commission

has recently recalled the following items

- swimming pool dive sticks
- "Snugli" soft infant carriers models 075 and 080
- *Star Wars* lightsaber toys

For refund or repair information, call CPSC, 800-638-2772, or contact RSE Safety, 51503.

U.S. GOVERNMENT property unsolicited bid sale will be conducted tomorrow, 7:30-11:30 a.m. and 12:45-3:30 p.m., at Raytheon Range Systems Engineering, DCCB, Building 1500. The following items will be sold "where-is, as-is." Refrigerators, ranges, mattresses, freezers, air-conditioners, washers, furniture, and dryers. For additional information, call Raytheon reutilization and disposal, 51770 or 51076.

GRACE SHERWOOD LIBRARY is having a book sale of choice hardbacks for \$2 each.

SINGLE/UNACCOMPANIED group will have their monthly social Sunday, July 27, 6 p.m., Qtrs. 207-B. Questions? Call J.D. Lewis, 50895, or Renate Woods, 52622.

DON'T MISS this opportunity to get involved with the community and make some extra money too. Community Activities needs individuals interested in the game of basketball to officiate for the Summer Fun adult basketball season. Interested persons must attend the officials' clinic Wednesday, July 28, 6 p.m., in CRC gym. No experience required. For more information, call Lynn, 53331.

ISLAND ORIENTATION will be Wednesday, July 28, 8:30 a.m., at CAC-6, Bldg. 365. The purpose of this orientation is to provide information on the unique living conditions found on Kwajalein and Roi-Namur. USAKA Reg. 385.1 requires that all new island residents attend the fire and safety briefing, which is included in this orientation. All parents are urged to attend to become aware of the potential hazards that exist on land and in the surrounding waters of the atoll. Children over 10 years of age accompanied by a parent are welcome.

IF YOU WILL BE TRAVELING abroad, contact your contract security personnel

or the provost marshal's office. Up-to-date security information will be provided. While traveling abroad, contact the U.S. Embassy or consulate nearest your destination. The State Department's public announcements, travel warnings, consular information sheets, and regional travel brochures are available on the Internet at <http://travel.state.gov>

CONSERVATION TIP: Don't block the flow of air-conditioning with furniture or drapes.

OPSEC REMINDER: The United States relies on its technological advances to offset a potential adversary's larger forces. Protect U.S. technology.

DO YOU WANT TO STOP DRINKING? We can help. Alcoholics Anonymous meets three times a week in Building 932, Kwajalein: Sundays, 10:30 a.m.; Wednesdays, 7 p.m.; and Saturdays, 6:30 p.m. Call 51143 and leave a message for information or help. We will call you back.

ALCOHOLICS ANONYMOUS meets on Roi-Namur at Tr. 8311, Tuesdays and Fridays, 8 p.m. If you have a desire to stop drinking, call 56292 or 56755 to leave a message, and we will get back to you.

OFFICIAL NOTICES

NOTICE OF AVAILABILITY: Draft Document of Environmental Protection for Point-Source Discharges. The U.S. Army Kwajalein Atoll/Kwajalein Missile Range (USAKA/KMR) Environmental Standards require that the operating parameters of USAKA/KMR activities with the potential to affect the public health and environment be defined in a Document of Environmental Protection (DEP). The standards further provide that regulatory agencies and the public be allowed to review and comment on the Draft DEP. A Draft DEP has been developed by USAKA/KMR for point-source discharges into waters of the RMI. This DEP governs the discharge of continuous and intermittent point-source discharges on Kwajalein, Roi-Namur, Meck, and Ennylabegan islands. The DEP stipulates limitations for cooling water and wastewater treatment plant discharges; monitoring requirements; and reporting, notification, and records keeping procedures. The public is invited to review and comment on the Draft DEP. The Draft DEP and the USAKA/KMR Environmental Standards are available for review at Grace Sherwood Library, Roi-Namur Library, and Alele Museum and Library. Questions regarding the DEP can be directed to: Dr. Donald Ott, USAKA/KMR Environmental Coordinator, USAKA/KMR ext. 54218. Written comments can be directed to: Commander, USAKA/KMR, Attn: SMDC-KA-IE, P.O. Box 26, APO AP 96555-2526. A period of at least 30 days will be provided for public comment. Comments should be postmarked no later than July 30.



This week at the Yokwe Yuk Lounge



Tonight
DJ Steve McGrew
plays your favorite
Rock and Roll hits,
7-11 p.m.



Saturday
Guest CPN
DJ Chris Hale
spins
Rock and Roll
favorites,
8 p.m.-1 a.m.

Sunday
Return to
Woodstock party!!
All you
used-to-be-hippies
and all you
hippie wannabes,
join DJ Steve McGrew
for the music of the '60s,
8 p.m.-1 a.m.

Wear a flower in your hair baby!



Don't miss the happening!

If you don't have your paper by 5:45 p.m., call 52114, and one will be delivered to you.

Classified Ad Deadlines
Tuesday issue: noon Friday
Friday issue: noon Wednesday

See you at the movies!

Saturday

ET The Extra Terrestrial (PG)

Steven Spielberg directed this story of friendship and discovery. It is about a being from outer space who is accidentally stranded on Earth. In his search for refuge, E.T. wanders into a backyard, where he is discovered by 10-year-old Elliott. The boy assumes responsibility for E.T.'s safety, while E.T. searches for a way to contact his own kind. (115 minutes)

Richardson Theater, 7:30 p.m.

Raging Bull (R)

Robert De Niro won an Academy Award for his portrayal of middle-weight boxing champ Jake La Motta. This is a totally convincing image of the "Bronx Bull," whose intense pursuit of the championship damages his life outside the ring. Eventually his wife leaves him, and his brother comes to hate him. (129 minutes)

Yokwe Yuk Theater, 8:00 p.m.

EDtv (PG13)

A comedy about a puckish, goofy video store clerk whose life is thrown into chaos when he agrees to let a desperate television studio executive film him 24 hours a day. While he enjoys his 15 minutes of fame, his family, friends, and co-workers do not.

Tradewinds Theater, Roi-Namur, 8:00 p.m.

Sunday

A Foreign Affair (black and white, NR, 1948)

A congresswoman travels to Berlin to investigate the "moral malaria" infecting GIs there, but she finds it more complicated than she expects. Dominating the film is Marlene Dietrich as the ex-mistress of a top Nazi.

Richardson Theater, 7:30 p.m.

EDtv (PG-13)

Richardson Theater, 9:30 p.m.

Raging Bull (R)

Tradewinds Theater, Roi-Namur, 7:30 p.m.

ET The Extra Terrestrial (PG)

Tradewinds Theater, Roi-Namur, 9:30 p.m.

Monday

ET The Extra Terrestrial (PG)

Richardson Theater, 7:30 p.m.

Raging Bull (R)

Yokwe Yuk Theater, 8:00 p.m.

Island hoedown

G.L. "Cowboy" Galloway teaches Margaret Thompson the finer points of two-stepping during Country Night at the Outrigger on Roi-Namur, Sunday. Galloway and his wife, Lexy, served as instructors for the evening, while DJ Rob Linstead played country-western music. Dance "graduates" received bandanas. Western-style appetizers, including baked beans, cole slaw, chicken strips, and a watermelon/strawberry platter, were served. Roi residents were joined in the festivities by members of the 505th Engineer Battalion of the North Carolina National Guard. Coordinators for the event were Aileen Shiigi; Jon Brockman, executive chef with Sodexo Marriott; and Karin Robas of Community Activities. (Photo by Karin Robas)



I wish you would stop bugging me!

Story by Bob Fore

While safe from many of the dangers that can be found in other parts of the world, Kwaj residents still have some areas of concern. One of these is insect bites and stings.

According to Jim Hermsen, Pest Control supervisor, the wasps on island are aggressive when disturbed, and capable of repeatedly stinging their victims. If the victim is allergic to the venom of the wasp, the stings can be deadly.

Favorite nesting places for wasps are under the eaves of buildings and in trees and bushes. If you find a nest, do not attempt to knock it down or dispose of it by yourself.

Spiders should be eliminated by

using a vacuum cleaner to gather up both the web and offending spider. Many spider webs can be found near ceilings, but don't use poisons that can drip down on the person doing the spraying.

Ants can be combated with traps and ant bait from Self-Help. Home remedies such as window cleaner containing ammonia or baking powder may prove effective. Caulking cracks in walls and ceilings may also help.

Cleanliness is your best defense against intruders from the insect world.

If all other means fail, contact the Service Desk at 53550 during the day.

WEATHER
Courtesy of Aeromet

Tonight: Mostly cloudy with scattered showers
Winds: East at 10 to 15 knots, with gusts near showers
Tomorrow: Partly to mostly cloudy with widely scattered showers.
Winds: East at 10 to 15 knots, with higher gusts near showers
Temperature: Tonight's low 78°
 Tomorrow's high 85°
July rainfall: 4.37"
Annual rain total: 32.68"
Annual deviation: -13.77"

Call 54700 for continuously updated forecasts and sea conditions.
 Forecasts available online: www.kmr-wx.com



Sun • Moon • Tides



	Sunrise/set	Moonrise/set	High Tide	Low Tide
Tonight July 23	/1913			1857, 2.1'
Saturday July 24	0640/1912	1541/0255	0139, 4.3' 1401, 3.7'	0812, 2.0' 1954, 1.8'
Sunday July 25	0640/1912	1630/0340	0226, 4.7' 1447, 4.0'	0855, 1.7' 2038, 1.6'
Monday July 26	0640/1912	1719/0427	0303, 5.0' 1525, 4.3'	0931, 1.3' 2115, 1.3'
Tuesday July 27	0640/1912	1809/0517	0338, 5.4' 1559, 4.5'	1004, 1.0' 2150, 1.1'