

THE KWAJALEIN HOURGLASS

Volume 40, Number 77

Tuesday, September 26, 2000

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

Kabua leading rebuilding efforts at cultural center



(Photo by Peter Rejcek)

Aldan Samul of Ujae Atoll lashes together wood beams with coconut rope Friday morning at the Marshallese Cultural Center. People from all over the Ralik Chain are helping rebuild the center's traditional structures, which were destroyed during last month's violent storm.

Ebeye, Kwaj to observe Mani Day with events

By Peter Rejcek
Associate Editor

Mani Day is all about tradition, so it follows that one of the Ralik Chain's traditional leaders should be leading the effort to rebuild the structures at the Marshallese Cultural Center.

Iroj Michael Kabua and Marshallese workers from atolls throughout the chain, including Ujae and Namu, as well as Lib Island, began the sweaty work of rebuilding the traditional structures Thursday. Kabua said two of the four buildings should be finished in time for Mani Day activities

(See MANIT, page 7)

GBR-P reaches transition point

By Jim Bennett
Editor

Ground Based Radar-Prototype has been testing and proving its capabilities for two years now. After Friday, the radar and its personnel will move into the next phase of development.

It's called a transition, but, essentially, Raytheon has completed its contract requirements to bring online, test and prove the worth of the GBR-P. Now, as the system integrator, Boeing/LSI will work the radar into the National Missile Defense system.

A ceremony with local dignitaries will be held at the GBR-P Thursday.

"We expect the transition to be transparent," said Gail Sikes, GBR-P government site

(See RAYTHEON, page 8)

Ecological survey studies trends in species' diversity, population

By Carol Sword
Feature Writer

Census 2000 is here, but instead of counting people, the census takers are making an inventory of the marine and bird life on the 11 islands leased by USAKA/KMR.

"The first survey was done in 1996 after the USAKA Environmental Standards were approved in December 1995," said Tom Kane, USAKA/KMR Environmental coordinator. "A biological inventory of species listed in the UES is required every two years. This involves all species that are protected by the U.S. and RMI governments."

Two marine biologists and two ornithologists from the U.S.

Fish and Wildlife Service in Honolulu arrived earlier this month for their two-week biennial survey. On Sept. 15, they were joined by a fisheries biologist from the National Marine Fisheries Service. They are doing half the survey now and will return in October to complete it.

"It's an ecological survey looking at long-term trends in abundance and diversity of species," explained Dr. Bob Esher, the Contract coordinator.

Marine biologists Michael Molina, Kevin Foster and John Naughton employ scuba diving, snorkeling and reef walking to make their observations.

(See ENVIRONMENTAL, page 9)

We need our own tall ship ... Wait, I've got a cunning plan

It was with great sadness that I watched the KRI *Dewaruci* leave Kwajalein Wednesday. It could be the last time we see that lovely lady from Indonesia for a long time, if ever again.

Experts say the *Dewaruci* is no longer seaworthy. (Ironically, the ship is named for an Indonesian god that represents courage at sea in a leaky vessel.) The medical bill for the 48-year-old tall ship: \$10 million. And we think health care premiums are high.

I see only two possibilities to save the *Dewaruci*.

First, 10 cadets or crew members will have to get on "Who Wants to be a Millionaire?" and hope they can answer questions like, "Who's the lead guitarist for the Red Hot Chili Peppers?" or "Why does Regis Philbin have a job?"

Obviously cultural differences — well, at least the Indonesians have a culture — might make it difficult to reach the big money. Imagine trying to speak Ebonics in an Amish community and you'll see the cultural leap that must be made.

The second plan might just work. We buy the *Dewaruci*.

Now we certainly would have a hard time coming up with \$10 million, but we don't necessarily have to refur-



bish her right away, though I imagine there's enough skilled labor here that we could do the work for much less. And what would it cost to actually buy a three-masted, steel-hulled ship nearly half a century old?

I've been told to build a new ship of her type would cost about \$18 million. Fifty years ago, the cost would have been far less. Figure in depreciation — hey, my 1-year-old digital camera is already a third of its original price — and I think we could walk away with the ship for a cool million. A couple of bake sales and a little fibbing in Congress and we're there.

I know, I know, you're wondering: "Why does Regis Philbin have a job?" But let's address a far more important question: What do we do with a ship like that?

Dive boat. The *Dewaruci* would make the Kwajalein Scuba Club the coolest dive club in the world, as well as one of the largest. I'm sure the Kwajalein Yacht Club would be more than happy to sail to some pristine

diving spots.

Pirate ship. Editor Jim Bennett already has a pirate flag and a peg leg, so there wouldn't be much work to outfit the *Dewaruci* into the "Scourge of Micronesia." We borrow the cannons from the flagpole area next to the airport terminal, and we stand ready to quickly make back our \$1 million investment and start a respectable college fund for the kids.

Haunted house. Speaking of the kids, can you imagine what kind of haunted house a ship like the *Dewaruci* would make? With all the narrow hallways and steep stairways riddled throughout the vessel, we might lose a few of the wee ones for days. There's even a door on the port side of the ship near the waterline that could be the exit point. SPLASH!

Yacht. We could all take turns using the ship as a personal yacht. In other words, one person gets to use the ship for, say, a week at a time — sort of like the NHL Stanley Cup.

If none of these suggestions appeal to you, then maybe you should go ahead and help support John Hartono's efforts to raise money to save the *Dewaruci* for Indonesia. Make your checks out to "MMBF/*Dewaruci*" and send them to: *The Friends of the Dewaruci*, 98 Beach Road, Belvedere, CA, 94920.

The Kwajalein Hourglass

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Buckminster and Friends — By Sabrina Mumma



Hawaii troops protect Mother Nature

By Capt. Cynthia Teramae
*U.S. Army Hawaii and 25th Infantry Division
Public Affairs Office*

SCHOFIELD BARRACKS, Hawaii — At the highest elevation of Makua Military Range, on top of a ridge on the island of Oahu, Hawaii, lies one of the world's most unique ecosystems.

It is a sanctuary teeming with rare and endangered plant and animal species. It is there that 90 percent of eight endangered species in the world live. This place is called Ohikilolo.

The views from the Ohikilolo ridge provide a 360-degree view of west Oahu. But it is the tranquil beauty of looking within this remote native Hawaiian forest that holds the eye.

Every four months, members of the Directorate of Public Works' Environmental Section, U.S. Army Garrison, Hawaii, fly a helicopter to Ohikilolo for a three-day field trip to conduct a number of eco-friendly projects to ensure that Makua's more than 30 rare plants and animals continue to thrive.

"When we first started working up here there was a lot of damage due to goats," said Kapua Kawelo, head biologist with DPW. "But since we put

in the fence, many of the plants such as the native Hawaiian 'ie 'ie have come back fully."

Part of the preservation of Makua included the installation of a 10-mile fence that straddles the top of the ridge. The \$1 million fence was completed in March and has been successful in keeping out wild goats and pigs that have been browsing on the native flora and fauna and wreaking havoc with the ecosystem.

"There's been a lot of regeneration of ferns because we have been controlling the weeds," said Kawelo. "We have taken this enclosure from 50 percent native Hawaiian forest to anywhere between 75 percent to 90 percent native forests."

Kawelo is referring to a 20-acre fenced enclosure on top of Ohikilolo. The enclosure is an example of how hard work and new technology can pay big dividends in restoring the environment. On the opposite Makua ridge, the Army built another 150-acre enclosure and is working just as hard to return this sanctuary to native Hawaiian forest.

"It's getting more and more rewarding as we see the land returning to native Hawaiian forest," said Kawelo.

Range operation is set for Thursday

A range operation is scheduled for Thursday. Caution times are 7:01 p.m. Thursday to 4:01 a.m. Friday.

In conjunction with this operation, a caution area will exist within Kwajalein Atoll. See maps in last Friday's *Hourglass*.

Bigej Island, including the inner reef, is specifically excluded and is not a part of the mid-atoll corridor.

A Kwajalein met rocket is scheduled as soon as possible after the first launch on Sept. 28 or 29. See Friday maps.

In the event of a mission slip, the caution times and areas will be in effect for the following days:

- 7:01 p.m. Friday, Sept. 29, through 4:01 a.m. Saturday, Sept. 30.

- 7:01 p.m. Saturday, Sept. 30, through 4:01 a.m. Sunday, Oct. 1.

Questions regarding the above safety requirements for this mission should be directed to the Command Safety Office, range safety officer, 51910.

Concerts set for Oct. 5, 12

The Kwajalein Junior/Senior High School band will present a pair of concerts on Oct. 5 and Oct. 12, both beginning at 7 p.m., in the MP room.

The two-concert format spotlights junior high musicians in the first concert and the high school band and choir members the following week.

Musical selections for both evenings will include Hollywood favorites, rousing marches, a good measure of jazz, a spiritual or two and a healthy representation of the classics.

Marshallese Shopping Day Sept. 30

In support of Marshallese Shopping Day on Sept. 30, the following runs will be added:

CRAFT	Depart Kwaj	Arrive Ebeye	Depart Ebeye	Arrive Kwaj
LCM	0855	0920	0925	0950
CAT	0900	0915	0920	0935
LCM	0905	0930	0935	0950
CAT	0940	0955	1000	1015
CAT*	1020	1035	1040	1055
CAT	1100	1115	1120	1135
BREAK FOR LUNCH				
CAT**	1240	1255	1300	1315
CAT**	1320	1335	1340	1355
LCM	1400	1425	1430	1455

Note: *Last extra run in the morning if Ebeye Pier has been clear of all passengers.

**Large items cannot be taken on these afternoon CAT runs.

THE REGULAR LCM SCHEDULE WILL ALSO BE FOLLOWED.

Reminder: Catch the earliest possible ferry, so as not to wait at DSC for available seats on later ferry runs.

All flyer inserts in the *Hourglass* are paid for by individual committees, organizations or clubs. Questions about this service should be addressed to Reproduction, 54467.



(Photo by Bob Fore)

Dr. Tom Jack, PHRI medical officer, and Stephan Notarianni, Bechtel Nevada's project coordinator, hand a crate to crewmembers of the motor vessel *leplap* for the trip to Ebeye Hospital. Medical equipment was donated to the RMI Ministry of Health and Environment with the encouragement and approval of the U.S. Department of Energy.

DOE donates medical equipment to Ebeye

By Bob Fore
Feature Writer

Health care for Marshallese citizens is going to improve thanks to the U.S. Department of Energy.

DOE, through its Special Medical Care Program, donated surplus medical equipment to RMI Ministry of Health and Environment Wednesday.

"I think it is a great thing to be able to help our Ebeye neighbors. This equipment has the potential to elevate the quality of services in the lab at the Ebeye hospital," said Stephan Notarianni, Kwajalein project coordinator for Bechtel Nevada. "It really makes me feel proud and hopeful that this donation can benefit a lot of our Marshallese friends."

The medical equipment, which includes both medical and dental x-ray machines, centrifuges, a hematology analyzer and computer equipment, has been in storage for several years.

In August, the Pacific Health Research Institute which administers the Special Medical Care program for DOE, offered the equipment to the RMI with the approval of DOE.

Kwajalein Hospital's lab manager

Beth Turnbull, Will Coughlin, lab technician, and Tommy Milne, an Ebeye Hospital administrator, checked the equipment for proper operation prior to the turnover.

The donated equipment will be distributed by the RMI's Ministry of Health and Environment as needed, with Ebeye Hospital being among the recipients.

The DOE medical program was established in the aftermath of the atomic testing programs that were carried out at Bikini and Enewetak atolls in the late 1940s and early 1950s.

Brookhaven National Laboratories administered the program for the DOE from the 1950s until PHRI took over in 1997.

The patient population included in the DOE medical program is less than 200 people today. Approximately 60 Utrikese and Rongelapese are on Ebeye, with another 50 to 60 located in Majuro and 15 to 20 patients on Utrik.

Notarianni said he hopes that through this donation an even closer working relationship with Marshallese health system will develop, and improve its capabilities.

New Books

at

Grace Sherwood Library



McNaughton Fiction

The Body on the Beach by Simon Brett

The Switch by Sandra Brown

Buried Evidence by Nancy Taylor Rosenberg

True Justice by Robert K. Tanenbaum

Dust to Dust by Tami Hoag

The Telling by Ursula Le Guin

McNaughton Non-fiction

Islam: A Short History by Karen Armstrong

U.S. v. Microsoft by Joel Brinkley

The Book of Honor: Covert Lives and Classified Death at the CIA by Ted Gup

The Head Game: Baseball Seen From the Pitcher's Mound by Roger Kahn

Godfather of the Kremlin by Paul Klebnikov

Married to Laughter by Jerry Stiller

Fiction

The Club Dumas by Arturo Perez-Reverte

Drinking the Rain by Alix Kates Shulman

Non-fiction

The Insider's Guide to Paying for College by Don Betterton

Bountiful Island: A Study of Land Tenure on a Micronesian Atoll by David Damas

Passionate Nomad: The Life of Freya Stark by Jane Fletcher Geniesse

The Secret of Parenting by Anthony Wolf

Young People's Fiction

To the King a Daughter by Andre Norton

Harry Potter and the Goblet of Fire by J.K. Rowling

Young People's Non-fiction

J.K. Rowling: The Genius Behind Harry Potter by Marc Shapiro

Classified Ads and Community Notices

HELP WANTED

The following on-island positions are open with Raytheon. For more information or to submit a resumé or application, call HR employment, Andrea, 53705.

ENVIRONMENTAL TECHNICIAN. Temporary full time. Duties include inspecting hazardous waste accumulation areas, storage tanks above and below ground, performing compliance audits, assisting in obtaining samples, preparing samples for shipment and responding to spills. Experience in Microsoft applications preferred.

ACCOUNTS PAYABLE CLERK, Finance Dept. Full time. Assist with accounts payable, answer telephones and various office tasks. Ideal candidate will be detail-oriented with excellent communication skills. Experience with Microsoft applications helpful. Full time preferred, but willing to consider part time or job-sharing.

SECRETARY, Community Activities. Part time. Looking for well-qualified, self-motivated individual to be responsible for maintenance of administrative database, labor recording and supply requisitions. Experience in Microsoft Office 95, filing systems, basic organization, as well as good interpersonal, oral and written skills a must.

Raytheon off-island positions are updated weekly in the Career Opportunities Book at the HR counter, Bldg. 700.

OFFICE ASSISTANT, Corps of Engineers. Full time GS-06. Support office administration. Responsibilities include a wide variety of clerical and administrative duties necessary for maintaining detailed correspondence logs, registers and budget. Requires use of Internet data base programs. MS Office proficiency is a must. For more information, call 52187.

WANTED

CHILD CARE for two-year-old girl Tuesday and Friday mornings, 8 a.m.-noon. Call 52337.

QUEEN- or KING-SIZE bed. Call 52555.

COPY OF "Go Go Jonah." Call Emily, 52454.

LOST

SMALL FLASHLIGHT, black, on Western or Lagoon Road Sept. 19. Call 52674.

CASIO databank calculator, blue, last seen in second floor administrative office of Building 901. Reward offered. Call 51414/51419W or 58090H.

STUFFED DINOSAUR on Lagoon Road. Child's favorite. Call Denise, 56608W or 53760H.

LADIES' SPORT sandal, black with aqua straps, at Emon Beach. Call 51591.

YOUNG GIRLS' pink thongs with green butterfly design. Call 51114.

NIKE CLEATS, black, with socks in both of them, at Brandon Field Sept. 12. Call 51618.

FOUND

CASH by Small Boat Marina. Call 51534W or 51445H, after 5:30 p.m.

GIVEAWAY

SEGA CD and Sega Genesis games, Super Nintendo games and controllers (no systems). Call 51750.

FOR SALE

TAKAMINE 12-string acoustic-electric guitar, cutaway body style, with hardshell case, black, \$1,150; Ibanez six-string electric guitar, SA series, three pick-up, five-way switch, thin body, black, with hardshell case and Marshall amp G215RCD, \$650; Miyata 26" Path Runner 18-speed mountain bike, \$150. Call 53526.

INFANT RAFT, \$5; Hooped baby towels, \$2; crib sheets (mattress pad free with sheets) \$2; tub chair, \$3; nursing pillow, \$3; Mickey Mouse crib set, \$15; Mickey Mouse mobile, \$5; bibs, 50¢; baby bottles, 25¢; Telletubby birthday decorations, \$10. Call 53585.

'96 WAVE VENTURE jet ski, needs work, includes aluminum trailer and boathouse, \$3,500. Call John, 52860.

JUNIOR GIRL SCOUT uniform shorts, size 14, \$5; Kwajalein Swim Team swimsuit, blue, girls' size 36, \$20. Call Jeanne, 52758.

KOREAN MINK blankets, many styles. Call 51561.

JBL EXPLORER 20 speargun, \$45; JBL speargun, small, \$20; air cleaner, \$50. Call 59804.

HUFFY Evasie bike with rear rack, basket and cable lock, five months old, \$60; HP laserjet printer, model 1100SE, four months old, \$350; multi-purpose super water filter (no TTHMs), \$225; 12-cup coffee pot, \$10; women's wetsuit, small, \$35; Skil 3/8" drill with case, \$30. Call 52790.

PCS SALE. Two recliners, \$100 each; beer making supplies including kits, bottles and caps, \$100; fence, \$500; queen-size waterbed, \$300; weightlifting set, \$50; three-drawer filing cabinet, \$25; three tall book shelves; men's bike, \$45; men's aluminum bike, needs new steering bearing, with trailer, \$150; new women's bike; bike baskets. Call 54186.

BEIGE CARPETS: 8' x 11', \$35; 10' x 11', \$40; 12' x 11', \$25; golf clubs, \$20; white baby crib and mattress, \$85; highchair, table-mount, \$10; hand sander, \$15; Stephen King hardback novels, \$10 each or \$150 for set of 16; two golf carts, good shape, \$30 each; shorty wetsuit, \$20. Call 54109.

MITSUBISHI 25" TV with remote, \$200; entertainment center, \$75; keyboard, \$125; white mini-blinds for 400 series house, \$50; CD player with radio and two external speakers, \$50; computer table; green and beige carpets; indoor/outdoor patio carpet; tape player/radio; new white bedspread; grill; paperback books. Call Yvonne, 53188.

DEEP SEA fishing pole, \$350. Call 52555.

**Marshallese Shopping Day
will be Saturday, Sept. 30,
10 a.m.-6 p.m., at
Macy's, Macy's West
and Gimbel's.
Children under 18 will not be
permitted on island for the
purpose of shopping.**

WOOD LOFT bed frame, \$100; two green tweed rugs, 5' x 7', \$15 each; oval tan rug, 5' x 7', \$25; tan rug, 9' x 12', \$65; royal blue rug, 9' x 12', \$65; brown recliner chair, \$150; two director chair stools, \$15 each; ice cream maker, \$10; twin mattress, \$25. Call Laura, 54753.

AMERICAN TOURISTER pullman with large wheels, only two years old, \$150 new, will sell for \$75. Call 58880 or 54434, evenings.

THREE IRON, LW and putter, \$50; microwave, broiler and toaster oven, \$50. Call 58202.

CRIB SHEET and bumper set for girl or boy, \$75; rocking chair/glider, \$200 or best offer; backpack with wheels for infant to 18 months; Huggies Goodnites, 45-65 lbs., \$10. Call 53713.

SEARS DISTILLER with filters, \$20; Omni under-the-sink water filter systems, two sets, \$8 each; men's rollerblades, two pairs, \$6 and \$12; protective gear, \$4; helmet, \$5; 42" ceiling fan, multicolored, \$5; Lurlene McDaniel paperbacks, set of 27, \$14 for set or 50¢ each. Call 51750.

PORTABLE DISHWASHER, \$90; glass-top dining room table, 72" x 42", with six highback fabric chairs, \$850. Call 52648.

CHANGING TABLE, \$25; two potty chairs, \$10 each; diaper pail, \$5; booster seat, \$5; clip-on baby seat, \$5; baby backpack, \$10; baby gates, \$8-\$10; extra-wide walk-through baby gate, \$20. Call 53070.

THAI GOLD rings, 24K, size 7; carpet sweeper/vacuum. Call 52466.

LADIES' SEIKO gold automatic wristwatch, new, never used, \$125. Call 52925, after 3:30 p.m.

RALEIGH 21-SPEED mountain bike with aluminum main frame, two extra tubes and heavy duty pump, paid \$700, sell for \$250; set of 13 golf clubs with deluxe bags and wheeled cart, \$200; hard suitcase, \$15; plush La-Z-Boy rocker/recliner, deep green, \$250. Call Glenn, 54778.

WOMEN'S SCUBAPRO small BCD, \$50; ScubaPro regulator/octopus/console including gauges with dive time, surface history capability, pressure gauge and compass, \$100. Call 56416 or 52607.

CARPETS: 9' x 12' brown, 12' x 12' orange, 13" TV, VCR, answering machine, curtains for 400 series housing, potted plants, mi

Classified Ads and Community Notices

crowave dishes, microwave, ironing board and kitchen step/stool. Call 52466.

GIRLS' 20" BIKE, needs new rim available at Macy's West, \$15. Call 51114.

FULL-SIZE mattress and box springs, never used, \$488. Call 54152.

GIRLS' 20" HUFFY, excellent condition, \$20; set of beginner golf clubs, \$25. Call 52573.

COMMUNITY NOTICES

THURSDAY NIGHT Women's Bowling League still needs six bowlers for two- to three-person team. Call Elena, 53397, or Linda, 52356, or come to the Bowling Center Thursday at 5:45 p.m.

PCS PARTY for Ken and Yvonne Jackson is Sunday, Oct. 8, 6 p.m., at Emon Beach large pavilion. A-O, side dish/salad; P-Z, dessert. Chicken, paper goods and coolers will be provided. Bring your own beverage. Neil Dye will provide music. To RSVP, call 53806.

KWAJALEIN YACHT Club Roi Regatta is Oct. 8-10. Weigh anchor and sail for Roi. Shrimp boil at the Roi pavilion Oct. 9. Tickets and event T-shirts at the Sept. 30 yacht club meeting. For more information, call Sue or Chuck, 52837.

KOENING/JABAR tennis courts will be reserved Thursdays, 6-7 p.m., and Sundays, 5-6 p.m., for youth tennis lessons.

ISLAND ORIENTATION will be tomorrow, 8-11:30 a.m., in CAC Room 6. New island arrivals and dependents are welcome.

A LARGE order of wonderful Marshallese baskets has arrived in the Micronesian Shop. Come to the terminal and get your Christmas shopping off to a great start.

ANYONE WHO wishes to join the Jewish community to celebrate the High Holy Days (First night of Rosh Hashanah is Friday.), call Cy Pizette, 51277.

MEN'S MONTHLY prayer breakfast will be Monday, Oct. 2, 7 a.m., in the Religious Education Building. Newcomers always welcome.

KWAJALEIN DANCE Association is offering introductory swing, waltz, rumba, salsa and two-step classes in early October. Partner required. For more information or to register, call Donna, 53470, evenings.

PROTESTANT-SPONSORED junior high youth fellowship for seventh to ninth grades, will be starting for this school year. Meetings will be Sundays, 7 p.m., in the Religious Education Building. For more information, call 51421.

CONSERVATION TIP: Turn off unnecessary lights both indoor and outdoor.

DUE TO mission requirements, the recompression chamber will be unavailable through Oct. 4. During this period, recreational diving will be limited to 50 feet.

ATTENTION BOY SCOUTS: First troop meet-

ing will be tonight in the Scout Hut. Wear Class A uniforms. Questions? Call your patrol leaders.

PREGNANT? For caring and confidential advice, call Care-Net, 1-800-395-HELP.

CHURCH of CHRIST meets Sundays, 9:30-10:30 a.m., in CRC Room 1. Bible study is Wednesdays, 7-8 p.m., in CRC room 6.

TUESDAY NIGHT Invitational Bowling League will start its new 16-week season tonight. Sign-up sheets are located at the Bowling Center. A short league meeting will be held at 6 p.m. League bowling begins at 6:15 p.m. For more information, call John, 53374.

A U.S. GOVERNMENT property sealed bid sale will be conducted during the month of October. Items will be available (except holidays) for inspection Oct. 3 through Oct. 14, Tuesday through Friday, 8 a.m.-3:30 p.m., and Saturdays, 8 a.m.-3 p.m. and 4:30-6:00 p.m. Sealed bids will be received until 6 p.m. on Oct. 14 at the Raytheon Range Systems Engineering, DCCB, Facility 1500. Bids will be opened at 9 a.m. Oct. 17. For additional information, contact Raytheon Reutilization and Disposal, 51770 or 51076.

SUNDAY NIGHT Mixed Bowling League needs five men and two women to fill two

four-person teams. Call Elena, 53397.

WEIGH DOWN workshop is a Christian-based program for individuals who want to lose weight. Meetings will be Tuesdays, 6:30 p.m., Qtrs. 471-A, starting tonight. It's not too late to join. Questions? Call Maria, 53925, or Amy, 52681.

LADIES OF Kwajalein are invited by the Protestant congregation to Island Memorial Chapel to attend a baby shower reception for Kathy and Hannah Mae Dorr Monday, Oct. 2, 2-4 p.m., in the Religious Education Building.

KWAJ QUILTERS will meet tonight, 7 p.m., in CAC Room 7. Bring your summer projects and other goodies to share. Newcomers and beginners welcome. Questions? Call Alysse, 55601.

HELP GIVE Mrs. Sheila Wrenn, wife of the commander, a hearty Kwaj welcome. A get acquainted social with Mrs. Wrenn will be Monday, 3 p.m., in the Religious Education Building. The Jine Tip Tip club will dance. YYWC is open to all Kwaj and Roi women.

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



*You are invited
if you dare*

Halloween is coming and Community Activities is hosting another Haunted House. We are looking for community involvement with your friends, family and co-workers. Create your own scary room. If you are voted by Haunted House patrons as the "Best Room," your team will win \$300 cash. Second place receives \$200. We need at least five separate groups to sign up and participate. For more information, call Steve, 53331.

Taking a closer look —

KSC members take VIP class

By Ivy Springer

Kwajalein Scuba Club

Eight Kwajalein Scuba Club members recently completed the Visual Cylinder Inspection Workshop. Jerry Roberts, a scuba instructor living in Palau and former Kwajalein dive-master, was the instructor for the eight-hour course. Tom Hall was the facilitator for the workshop.

Cylinder inspection is a vital element of safe diving, according to Roberts.

By law, tanks must be inspected on a regular basis, at least every year, and more often with heavy usage or evidence of tank damage or abuse. When a tank is in bad condition, it is condemned and not used again.

New inspectors include Ivy Springer, Darin Haaversen, Bob Hatcher, Doug Curry, Mike McMurphy, Tom Hall, Ed Paget and Julio Rodriguez.



(Photo by Ivy Springer)

Mike McMurphy conducts a visual inspection of a scuba tank at the Kwajalein Scuba Club tankhouse.



(Photo by Peter Rejcek)

Australian ambassador Tim Cole looks over photographs from the Joachim deBrum collection at the Marshallese Cultural Center with Cris Lindborg during a recent visit to Kwajalein. The photographs will be on display for Manit Day events Oct. 2.

Manit Day celebrates Marshallese culture ...

(From page 1)

here on Oct. 2.

"Two buildings is better than no buildings," said Kabua, adding that he and his crew will return at a later date to rebuild all four buildings with pandanas leaves for roofs. The two meeting houses will use coconut palm leaves for temporary roofing, as the process for collecting pandanas is time intensive, according to Kabua.

The four large structures were levelled by a violent storm in August. Originally constructed by Marshallese from Arno Atoll in the Ratak Chain, the new structures will be made in the fashion of the Ralik Chain for the first time ever. Posts for two of the buildings — both meeting houses — came from Lib Island. Other traditional materials used in the construction include coconut rope, or *ekkol*, that is soaked in a hole filled with salt water for at least five months before it's ready to use, Kabua said.

Eventually, several different structures will be built, Kabua said, including a sleeping house, cooking house and work house. Kabua said he would also like to see traditional A-frame houses, which were used by

commoners because they used less valuable wood.

"They preserved their trees for other purposes," he explained.

Those interested in learning more about Marshallese culture are in luck this week. Manit Day, the celebration of Marshallese culture, will be observed all week long on Ebeye.

"There will be activities, and singing and dancing every night," Kabua said. Most events, which are open to the public, will take place near the Ebeye pier. There will be Marshallese handicrafts and food available, as well. A *riwit*, or outrigger canoe, race is scheduled for Saturday.

On Kwajalein, Manit Day will be observed Oct. 2, with numerous displays, handicrafts and Marshallese food. Activities begin at noon at the cultural center. A program of singing and dancing will follow at around 5 p.m. at the Richardson Theater. A shared feast is set for 6:30 p.m.

"We are having some people from Majuro come to participate," said Cris Lindborg, Marshallese Culture Society member.

To contribute a dish for the feast, call Dianne at 55990 or Brenda at 54364.

Raytheon hands over GBR-P control to Boeing/LSI ...

(From page 1)
representative.

In fact, while Boeing/LSI incorporates the GBR-P into the anti-missile system, Raytheon and its personnel will work at the radar site as subcontractors. One aspect of the change is simply on paper.

"With this, the government is basically signing off on the contract, saying we accept the radar," Sikes said.

The government awarded the original contract for the GBR-P to Raytheon in November 1994 and scheduled it for completion Sept. 30, 2000. Construction began on the radar in October 1996 and was finished, on schedule and within budget, in September 1997. GBR-P personnel first used the radar to track a target in July 1998.

"Raytheon has done an excellent job with the initial testing of the GBR-P," Sikes added. "This encompassed building the radar, passing safety requirements, performing initial alignment and calibration for the radar, testing the radar with the [Battle Management Command Control and Communications] element and testing the radar to verify basic radar performance and functionality."

But while the changes on paper won't amount to much in the office, there is a change of focus that will.

"From now on it will not be tested as a system element, but as a part of the whole system," Sikes said.

The radar plays a key role in the system.

"There are other radars in the world and satellites for search and tracking," said Steve Cummings, Raytheon site lead. "They would direct the GBR to acquire the target complex."

From there, the GBR picks out the reentry vehicle from a host of potential decoys, provides in-flight tracking updates and transmits the information to the battle management center, which then directs

the ground-based interceptor. All of this occurs in minutes as the incoming RV travels at more than 17,000 mph.

The whole NMD system looks to a continued busy testing schedule at the Kwajalein Missile Range, with five Integrated Flight Tests completed and as many as 16 more set for the next five years. And while the NMD tests have seen ups and downs, with one intercept followed by two misses, the GBR-P performance in discriminating a reentry vehicle from decoys has remained consistent in three IFTs, four risk reduction flights, a radar credible target test and several targets of opportunity.

"We've steadily progressed," Cummings said. "In IFT-3, we tracked and discriminated targets. There were some small problems, but it was still good. In IFT-4, those problems were corrected and the system improved. We had 100 percent accuracy and exceeded our requirements. IFT-5 was a repeat of IFT-4, only better. We made some additional changes, the result was better and we still had 100 percent accuracy."

The radar only looks to get even better and bigger.

The Kwajalein GBR-P, a highly technical radar hidden beneath a white radome at the end of the island, boasts 16,896 transmit and receive modules on a 50-foot diameter antenna face, giving it a 105-meter-squared aperture, Cummings said. A deployed GBR with the completed NMD system would be twice as tall with four times the aperture. The radar would weigh five times as much, going from the current 845,000 pounds to more than 5 million pounds.

Kwajalein's GBR-P is also built to expand, with more T/R modules to be installed over the next five years. The radome may also be elevated and the radar will undergo more challenging tests, Sikes said.



(Photo by Peter Rejcek)

FOM's Marcel Escoto bolts down a stainless steel grind rail at the new skate park Saturday morning.

Park viewing is Friday ...

(From page 8)

skate boarding and in-line skating reach out this far," Ciardelli said. "These kids need a place to go, just like the tennis courts and baseball fields ... to practice their sport."

"The park is not beginner, it's more intermediate and advanced," Ciardelli said. "It gives [beginning kids] something to work towards."

The park is expected to be open by early October after the guidelines have been set, according to Smead.

The minimum age will be seven. Operating hours will be after school and weekend evenings. Monthly passes will sell for \$15, and \$10 and \$20 punch cards will also be available. Entry is one punch on the card.

A helmet, kneepads, elbow pads and wrist guards will be required. A limited amount of equipment can be rented at the cost of two punches.

"We encourage skaters to purchase their own safety equipment," Smead said. "Macy's has ordered safety gear."

Other items, like vending machines and bleachers for spectators, along with a fence between the remaining tennis court and skate park, will be added after the park opens.

Environmental survey conducted biennially ...

(From page 1)

They are inventorying certain corals, sponges, black-lipped pearl oysters, giant clams, trochus and fish. The trochus is an edible marine snail introduced by the Japanese during their occupation of the atoll. It is valued because its shell is used to manufacture mother-of-pearl buttons.

"Most of these organisms are found in shallow water," Molina said. "Many are easy to harvest, and therefore easy to deplete."

Giant clams are of particular concern to USAKA/KMR. The largest species was heavily harvested years ago because its meat and shells are highly prized. Their heavy weight generally keeps them in one place. Foster remembered their locations from his visit in 1998 and said he has noticed significant harvesting since the last survey.

"These long-living mollusks have few natural predators," he said. "Once they reach adulthood, they are almost invincible. Their greatest threat is human harvesting and activity."

Coral is another vulnerable organism because it is fragile and slow-growing, according to experts. It is susceptible to destruction from dredging and filling, and to pollution from landfills and stormwater runoff.

"Coral creates habitat for a variety of marine life and provides the foundation of the reef. Once killed, the reef will stop growing and will start to erode," Molina said. "Healthy reefs are important because they protect the islands against erosion from waves. Reefs also protect the habitat of sea birds, other land organisms and humans."

Besides the depletion of giant clams in certain areas, the team has noticed other differences since its last survey, such as algal infestations of coral, which may be related to contaminants. Natural events, like the west winds in 1997, buried some coral in lagoon sand at Sally Point on Roi-Namur. Since then, normal currents have uncovered the reef by washing the sand back into the lagoon, and this has allowed new coral to settle so



(Photo courtesy of U.S. Fish and Wildlife Service)

A net entangled with live coral is removed from the water, from left, by marine biologists Michael Molina, John Naughton and Kevin Foster, along with Kwajalein Marine police officers Gail Fabrizio and Mike Herrington, and Raymond Matthew

that the reef is now recovering.

"The whole marine environment is a very dynamic system that is constantly changing," Molina said.

A coral disease was discovered on Gagan, and a purse seine net was found tangled in coral just off Gellinam. The net killed live coral and is an entanglement hazard for endangered sea turtles. It was removed from the reef by the team.

While on Gellinam, ornithologists Sheldon Plentovich and Christine Willis found eggs from both white- and black-naped terns that were nesting there. Four birds breed during the winter months on the 11 islands surveyed.

"White terns lay their eggs on tree branches and do not build a nest," Plentovich explained. "On Gagan, we've seen black-naped terns that nest on the ground. Black and brown noddies usually build leafy nests in trees on Enewetak island."

The ornithologists walk the shoreline to survey shore birds and then search for nesting birds in the interior. Some of their sightings included golden plovers, tattlers, whimbrels and ruddy turnstones. The plovers are often solitary, but the turnstones travel in flocks. The only way to distinguish the wandering tattler from the

Siberian tattler is by its call, because their plumage is nearly identical.

"There is really no difference in numbers between '96 and '98," said Willis, who has been on every survey. "In December, we spotted an American widgeon and northern pintails, which are migratory ducks."

Threats to nesting sea birds include feral cats, rats and ants. However, loss and alteration of habitat is the greatest peril. USAKA/KMR is aware of this danger and is controlling the unnecessary bulldozing of vegetation, according to Kane. The destruction of habitat is being prevented through the implementation of the UES, he said.

"The surveys are a continuing effort that is funded by USAKA to determine the health of the atoll ecosystem and to ensure that there is no negative impact on the ecological community," Kane added. "Any changes in terrestrial or marine life can ultimately affect human health. For this reason, it is important to continue monitoring the environment."

Lt. Tom McGinnis, Kwajalein Marine police, and his staff and Chuck Harper, Roi-Namur Marine Police boat operator, supported the survey team with transportation to the remote islands in the atoll.

See you at the movies!

Saturday

The Dark Crystal (G)

A cross between Tolkien and the Brothers Grimm, this fantasy tale from Jim Henson uses puppets to tell the story: The final shard of a magical crystal must be found before evil takes over the world. (Voices of Henson, Frank Oz) (94 minutes)
Richardson Theater, 7:30 p.m.

Virgin Suicides (New Release, R)

The Lisbon sisters are perfect, at least that's how the neighborhood boys who lust after them see the girls. But ideals and reality clash in this movie, which examines adolescence and what it takes to be a kid. (Kathleen Turner, James Woods)
Yokwe Yuk Theater, 8 p.m.

Happy, Texas (New Release, PG-13)

A pair of bungling escaped convicts arrive in Happy, Texas ("the town without a frown") in a stolen Winnebago. They are mistaken for the pair of gay beauty pageant consultants who have been hired to help the girls of Happy win the 18th annual "Little Miss Fresh Squeezed" talent contest. The duo decide to use the case of mistaken identity to their advantage, hiding out from the cops while planning a bank heist. Complications arise when one of the criminals falls in love with the bank president while being courted by the gay county sheriff. (Jeremy Northam, Steve Zahn, Ally Walker) (104 minutes)
Tradewinds Theater, 8 p.m.

Sunday

The Birds (Classic, 1963)

Hitchcock's classic horror tale of mass bird attacks. (Rod Taylor, Tippi Hedren, Jessica Tandy) (120 minutes)
Richardson Theater, 7:30 p.m.

Happy, Texas (New Release, PG-13)

Richardson Theater, 9:30 p.m.

Virgin Suicides (New Release, R)

Tradewinds Theater, 7:30 p.m.

The Dark Crystal (G)

Tradewinds Theater, 9:30 p.m.

Monday

The Dark Crystal (G)

Richardson Theater, 7:30 p.m.

Virgin Suicides (New Release, R)

Yokwe Yuk Theater, 8 p.m.



(Photo by Peter Rejcek)

Dave Benson, right, drills a bolt into the wooden frame for a skate ramp with the help of Community Activity's Peter Aron, left, and Thompson Tarwoj Saturday morning at Dally tennis field, where the new skate park is under construction.

Skate park construction rolls along

By KW Hillis
Feature Writer

The whirl of skate wheels rather than the thud of hammers will soon be emanating from the old Dally tennis courts on the corner of Ocean Road and 8th Street.

The skate park, with its gleaming stainless steel grind rail and huge six-foot wooden half pipe, is quickly taking shape and will be open for public inspection on Friday, Sept. 29, from 6 to 7 p.m.

"Stand on top of a ramp and see what you're getting yourself into," said Simone Smead, Community Ac-

tivities manager.

But look, don't touch: No equipment will be allowed that evening.

"We have two experts on hand. Anyone can meet them and talk to them about the park and skating," Smead said.

The experts are Tony Ciardelli and Dave Benson, owners of four-year-old TrueRide Inc., from Duluth, Minn. They travel all over the world installing skate park equipment. They even built one at Yokota Air Force Base, Japan, Ciardelli said.

"Its nice to see that sports like ...
(See PARK, page 6)

WEATHER

Courtesy of Aeromet

Tonight: Partly cloudy with isolated showers.
Winds: East-northeast to east at 7 to 12 knots, with higher gusts near showers.
Tomorrow: Partly to mostly sunny with widely scattered showers.
Winds: East-northeast to east-southeast at 7 to 12 knots, with higher gusts near showers.
Temperature: Tonight's low 79°
Tomorrow's high 86°
September rain total: 8.28"
Annual rain total: 65.62"
Annual deviation: -3.83"
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
Tuesday September 26	0638/1843	0454/1734	0308, 5.7' 1535, 5.3'	0929, 0.5' 2134, 0.7'
Wednesday September 27	0637/1842	0550/1823	0345, 5.9' 1607, 5.6'	1001, 0.3' 2210, 0.4'
Thursday September 28	0637/1842	0644/1909	0420, 6.0' 1639, 5.8'	1032, 0.2' 2245, 0.3'
Friday September 29	0637/1841	0737/1955	0453, 5.9' 1709, 5.9'	1101, 0.3' 2318, 0.3'