

# THE KWAJALEIN HOURGLASS

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

## *RMI census is under way*

The first census in the Republic of the Marshall Islands since 1988 is under way, with counters dispatched to the 23 inhabited atolls and four inhabited single islands in the republic. An additional six atolls and one island are uninhabited.

The original plan was for the count to be completed by July 5, but that proved to be too optimistic. However, the Marshallese Public Service (similar to the U.S. civil service) office in charge believes that preliminary counts can be released by the end of August.

In the 1988 census, the population was estimated at 63,031, with a population growth rate of 3.85 percent, 45.39 births per 1,000 people,

*(Continued on page 2)*

## *Island nations meet at Majuro*

The Alliance of Small Island States met at Majuro last week, with representatives of about 40 island nations in attendance. The *Marshall Islands Journal* reports that around 30 local people also signed up to attend.

Focus of the workshop was on what can be done to reduce the threats of climate change and a rise in sea level. Special emphasis was on what is called the "Clean Development Mechanism" of the Kyoto Protocol, which offered guidelines for reduction of pollution and non-destructive, or "clean," development. The protocol was approved following the last major climate change convention in Kyoto, Japan.

Among the nations represented in addition to the Marshall Islands are Antigua, Bahamas, Barbados, Cook Islands, Cyprus, Federated States of Micronesia (Kosrae, Pohnpei, Chuuk, and Yap), Germany, India, Jamaica, Malaysia, Mauritius, Netherlands, Niue, Norway, the Philippines, Republic of Palau, Samoa, Seychelles, Solomon Islands, and Vanuatu.



*(Photo by Larry Allen)*

Jonathan Jackson, left, and Donna Hanson, right, look on as Denise Morrow discusses quality-of-life issues during a meeting of the Kwajalein Family Action Plan committee.

## Family Action Plan prioritizes quality-of-life issues

By Cynthia Brewer

Residents of U.S. Army Kwajalein Atoll are experts at living on a tiny, isolated island Army base, a six-hour flight away from the nearest city.

"The Kwajalein Family Action Plan

was formed as a way to consult the residents, who are experts on quality-of-life issues," said 1st Sgt. Ozell Robertson, KFAP coordinator. "The community was canvassed in an islandwide survey that drew 82 suggestions for improving quality of life at the base."

The KFAP is made up of volunteers in four subcommittees: island teens, Kwaj unaccompanied personnel, Roi unaccompanied personnel, and family-status members. The group met at the high school July 9 and 10 for orientation on the Family Action Plan and a discussion of the issues brought out in the survey.

"The goal is to prioritize quality-of-life issues that could lead to positive change at USAKA/KMR and possibly on other isolated, overseas duty stations—even stateside Army communities," said Robertson.

Col. Gary K. McMillen, USAKA/KMR commander, said, "It is exciting

*(Continued on page 2)*



*(Photo by Larry Allen)*

1st Sgt. Ozell Robertson, KFAP coordinator, makes a point during the meeting.



## Tapes, CDs, mini-CDs, laser disks, DVDs—Kwaj and Roi folk love ‘em all

Story and photo by Bob Fore

Whether sitting on a beach chair at Emon watching a new movie on our portable DVD player, or jogging around the island to the sounds of our favorite group, our lives are affected daily by new technologies.

The two most common methods of recording audio and video are analog and digital.

The analog method records audio and video signals as lines or tracks of varying magnetism on plastic tape that is coated with magnetic material. This stored information can be retrieved by playing the tape back on a machine with heads specifically designed to interpret the information on the tape.

The digital method is a more recent development in which the input audio or video signals are sampled more than 30,000 times a second. The results are recorded as a series of ones and zeros. When they are played back, the result is a very high quality, exact reproduction of the original signal.

These methods of recording audio and video signals are used for everything from VCRs to digital cameras, CD players to audio tape players, and televisions to camcorders.

### Audio

**Records and tapes:** Records are made of thermoplastic materials. The signal is retrieved by a device that is run over the grooves on the record. There are some who insist that the sound quality of records is superior to that of more modern digital recording methods, but CDs are much more popular today. Records are not available locally, but can be found on the Internet and in catalogs.

Audio tape is plastic tape that is coated with magnetic material. The tape is moved across heads that read and interpret the signals.

A new take on audio recording is digital tape, which takes the audio signal, recorded as a digital master, and transfers it onto a specialized audio tape.

The sound quality can be extremely good with both records and audio tape, but a major disadvantage of both is that the devices used to read the recorded signals must physically touch the recorded surface. This results in degradation of quality over time because small amounts of the coating on the records

**Customer Dan Pace** ponders the wide selection of video tapes and DVD movie titles available for rent at Tape Escape.

Members of the Laser Disk Club can borrow from its large selection of movies.

Macy's offers audio and video selections, as well as equipment. Off-island sources include the Internet and catalogs.



and audio tapes are lost with each use. These two mediums are also susceptible to damage from mishandling.

Cassette players are available at Macy's in a variety of styles, including personal portables, boomboxes, mini-component systems, and as part of home stereo systems.

**CDs:** Combining a 4 5/8-inch disk with a player small and light enough to carry easily means you can enjoy your favorite music in your car, at home, or even when you are out on a walk. You enjoy excellent sound quality because the disk is an exact digital reproduction of the master. In addition to convenience and fine quality, there is durability to consider. The disk is read by a laser light source that never touches the recorded surface, thereby causing no wear.

A good selection of CDs is available at Macy's, with CD players available as personal portables, boomboxes, mini-component systems, components to be incorporated in sound systems, and home stereo systems.

The newest fad is mini-CD players. Macy's carries a personal portable that is 3 3/8 inches by 5/8 inch by 3 1/2 inches and weighs 4 ounces—it fits in a shirt pocket. The store also carries a unit for recording your own minidisks from CDs. Blank minidisks are available. Macy's will carry pre-recorded mini-CDs when they become available.

### Video

**VCRs:** Video cassette recorders use magnetic tape to store video signals in diagonal bands, with audio signals on

another band along the edge of the same tape. Video tapes were originally available in Beta and VHS formats, but VHS is now the predominant style. Macy's carries a line of VCRs.

**Laser disks:** Using digital technology, laser disks are capable of holding much more video and audio information than tape. This translates into higher video and audio quality. Laser disks are about the size of dinner plates and are more resistant to damage than tapes or records.

Nearly 4,000 laser disk titles are available to members of the Laser Disk Club, which can be contacted at 51024 for information.

**DVD:** New methods for storing audio and video digital data have led to the DVD, which contains much more information than the older, larger laser disks.

Research is continuing, with even smaller versions already coming to the market in the U.S.

The Tape Escape offers about 4,000 movie selections for rent in VHS video tape and DVD movie formats. Macy's also carries VHS and DVD movies. The library has a selection of video tapes, including some movies, which are available for checkout.

### **On This Date in 1969 . . .**

Thirty years ago today, Neil Armstrong, Edwin "Buzz" Aldrin, and Michael Collins took Apollo 11 to the moon. Armstrong and Aldrin landed the "Eagle" lunar module on the surface where they became the first men to walk on the moon.

Classified Ads and Community Notices

HELP WANTED

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. There are several secretarial and mail clerk positions vacant or soon-to-be vacant throughout USAKA/KMR. Applicants for full-time secretarial position or part-time or full-time mail clerk position, 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

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

JUNE 1999 issue of National Geographic magazine to buy. Call Carol, 56488.

GAS GRILL in good condition. Call 52208.

LOST

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

TWO KEYS and keychain with Cheryl on it. Call 51411 days or 52512 evenings.

FOR SALE

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.

TAYLOR MADE golf clubs 3-PW, \$280; Taylor Made titanium driver, 7 degree, \$125. Call Jeff, 52188.

PIONEER LD 600 laser disk player, \$25; "The African Queen" laser disk, \$15; "Seven Years in Tibet," new, still in wrapper, \$20; "Def Leppard Greatest Hits," new, still in wrapper, \$12; "Zebra," new, still in wrapper, \$10; microwave cart, \$15; computer desk, \$15; Panasonic 3DO game machine (plays music CDs and Kodak photo disk), comes with two controllers and 24 games including "Need for Speed," "Doom," and "Road Rash;" computer software and games; PC FM tuner card, \$5; kiddy cart, looks like Dodge Neon, \$10. Call 51031, 5-8 p.m.

PCS SALE. TV antenna with amplifier, \$25; four plastic storage drawers, stackable, \$8 each; two-drawer unfinished wooden stackable storage drawers, \$10; bookcase, \$20; large work table with shelf, \$40; outdoor work table, \$20; living room miniblinds, maroon, \$20 each; one miniblind, blue, bathroom, \$8; two miniblinds, blue, bedroom, \$20 each; blue wall-to-wall carpet, \$20; full-length blue bedroom curtains, \$25; wall-to-wall maroon dining room carpet, \$60; maroon living room carpet, \$75 (all items fit 400 series two-bedroom house); queen-size mattress, box spring, two sets of sheets, mattress pad, and comforter, \$450 or best offer; small TUSA BC, \$100; two lamps, \$10 each; various plants, small, \$10; medium, \$15; large, \$20; men's sport jacket, size 40, \$30; men's suit: jacket size 42, pants size 36, \$60. Call 52490 after 5 p.m. or on weekends.

COMPUTER GAMES and more: "7th Guest," \$25; "11th Hour," \$25; "Myst," \$25; PlanIt calendar program, \$10; "Mickey and

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.

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.

24" GIRLS' 10-speed bike, good condition, \$25 or best offer; 20" girls' one-speed bike, good condition, \$25 or best offer; two small children's life vests, like new, both for \$15; Playskool kitchen play area, \$12 or best offer; in-line skates, kid's size 13-2, \$10. Call 52115 evenings.

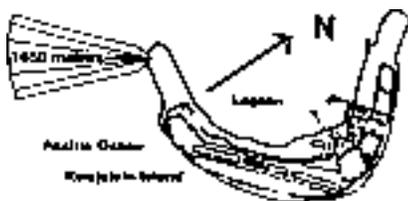
KWAJ-CONDITION bike, \$20; large Sunkist water tube, \$10; child's life jacket, like new, \$10; rollerblades, ladies' size 9, used once, \$50. Call 52349.

20" BOY'S BIKE, six months old. Call 51668.

ENTERTAINMENT center, \$175; Hyperlite wakeboard, \$100. Call 54196.

Small Arms Range Notice

The small arms range will be in operation Thursday, July 22, 7 a.m. to noon and Friday, July 23, 8 a.m.-noon. Avoid the hazard area shown below.



The Bargain Bazaar



Monday ..... 1-3 p.m.
Thursday ..... 1-3 p.m.
Saturday.....1-3 p.m.

**Classified Ads and Community Notices**



Next boating orientation class will be Wednesday and Thursday, July 21-22, 8 p.m., in CRC Room 1. Attendance both nights is required. Contact the Small Boat Marina, 53643, or Community Activities, 53331, to sign up or for more information.

13" COLOR TV, less than a year old, \$100. Call 51560.

**COMMUNITY NOTICES**

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.

ADULT SUMMER FUN basketball season is just around the corner. To register your team, managers must attend the meeting Tuesday, July 27, 5:30 p.m., in the library conference room. For more information, call Lynn, 53331.

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.

ALL ISLAND LADIES are invited to attend a newcomers' tea Thursday, 1-3 p.m., Qtrs. 217-A. Hosted by Pat Savage and Yokwe Yuk Womens Club. RSVP by July 21. Call Pat, 53355, or Gerri. 54430.

DURING THE MONTHLY supply barge operation Thursday, all personnel are asked to remain outside the barricaded one-block area around the supply warehouse complex. This area is bounded by Marine Road, Poinsettia Street, and 6th and 8th streets. This request is in the interest of everyone's safety. Questions? Call Shipping and Receiving, 52180.

SUMMER HEALTH REMINDER: Make sure standing flower pots or water catchment containers are periodically emptied of water to prevent the breeding of mosquitoes.

DR. YAMAMOTO, optometrist from Honolulu, will be on-island Sunday, Aug. 1, through Friday, Aug. 6. Appointments will be taken at 52018, Tuesday, July 20, through Thursday, July 22, 7:30 a.m.-4:30 p.m. Provide the patient's name, birth date, employee (sponsor) name, and social security number.

USAKA/KMR DRIVER'S license examiner will be conducting license renewal, first-time light vehicle licensing, and forklift training and licensing on Roi-Namur Thursday, 8:30 a.m.-2 p.m. Call 53324 for appointment times.

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>

PRIMARY EQUIPMENT CUSTODIANS (PEC) are required to perform joint inventories of their equipment accounts when PCSing or transferring to another department. This is done in conjunction with the newly appointed primary equipment custodian. In the event that the new PEC is not on island previous to a PCS, a joint inventory must be performed with the department manager. Call Property Management, 53412, to obtain an updated listing of your equipment account. Joint inventories must be on file at Property Management prior to executing the island clearance process. Custodians who have not performed this action will experience delays in departing Kwajalein.

THE HOURGLASS is a Department of Defense (DoD)-funded command newspaper. DoD-funded newspapers are prohibited from carrying commercial advertising (AR 360-81). As a service to its community, a DoD-funded newspaper may carry non-paid listings (classified ads) of personal items for sale by members of the command. Such listings (patio sale ads) may not be used as

a method to advertise new merchandise being sold by persons holding commercial activities licenses.

CONSERVATION TIP: If you have leftover paint from home or work projects, return it to Self-Help.

OPSEC REMINDER: As the world's superpower, the U.S. is a priority target of many foreign intelligence services, and acquisition of our technology is their primary focus.

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.

**If you don't have a paper by 5:45 p.m. on Tuesdays and Fridays, call 52114 before 6 p.m. and one will be delivered to you.**

**The  
Micronesian  
Handicraft  
Shop**

**Monday.....10:30 a.m.- noon**  
**Tuesday.....7-8:30 p.m.**  
**Friday.....7- 8:30 p.m.**

**Gift certificates are available.**

**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.



**Cultural Center takes special kind of maintenance**

From small mountains of palm fronds, Althea Emijwa, left, and her sister-in-law, Kedikdik Amon, are weaving mats for the floor and doors of traditional-style dwellings at the Marshallese Cultural Center on Kwajalein. From pandanus leaves, they create thatch to make new window coverings and repair the walls and roof of the structures. Althea, wife of Ashiro Emijwa at the Self-Help Center, is from Jaluit Atoll. Ashiro and his sister, Kedikdik, are from Wotho Atoll. All now live on Ebeye, but the women have not forgotten their traditional skills. They will be working at the cultural center until Aug. 31, preparing it for a celebration of the Marshallese holiday of Manit Day, the last Friday in September. "Manit" means "custom" or "the old ways."

(Photos by Pat Cataldo)

**NASA software enhances images of sun and sons of guns**

By Pat Cataldo

A recent story by CNN focuses on software developed at NASA's Marshall Space Flight Center, Huntsville, Ala., that could help law enforcement agencies catch criminals by improving videos taken during the commission of crimes.

The software, called Video Image Stabilization and Registration (VISAR) was developed to clarify images of the sun. Similar technology was used to help the FBI enhance video of the

bombing at the 1996 Olympic Games in Atlanta.

CNN reported that NASA software clarified dark, nighttime videotape made with a handheld camcorder, revealing important details that had been obscured.

A Marshall Space Flight Center solar physicist thinks it might become practical to use the software system inside video recorders, when the technology becomes more affordable.

**WEATHER**  
Courtesy of Aeromet

**Tonight:** Mostly cloudy with scattered showers  
**Winds:** East-northeast to east at 10 to 15 knots, with gusts to 25 knots near showers  
**Tomorrow:** Partly sunny with widely scattered showers.  
**Winds:** East-northeast at 10 to 15 knots, with higher gusts near showers  
**Temperature:** Tonight's low 77°  
Tomorrow's high 85°  
**July rainfall:** 2.70"  
**Annual rain total:** 31.01"  
**Annual deviation:** -14.43"  
Call 54700 for continuously updated forecasts and sea conditions.  
Forecasts available online: [www.kmr-wx.com](http://www.kmr-wx.com)



**Sun • Moon • Tides**



	Sunrise/set	Moonrise/set	High Tide	Low Tide
Tonight July 20	/1913		2144, 3.9'	
Wednesday July 21	0639/1913	1321/0130	0947, 3.8' 2307, 3.9'	0346, 2.4' 1619, 2.1'
Thursday July 22	0639/1913	1407/0130	1118, 3.5'	0529, 2.5' 1741, 2.2'
Friday July 23	0639/1913	1454/0212	0035, 4.0' 1255, 3.5'	0709, 2.4' 1857, 2.1'