

THE KWAJALEIN HOURGLASS

Range ramps up for 2004 missions

— pages 4-5



(Illustration by Dan Adler)

WHAT'S INSIDE

Hospital goes digital with X-rays

— page 3

Student drivers begin training

— page 6

School releases '04-'05 calendar

— page 7

'Out of Time' gives movie-goers a thrill

By Jason Bischoff
AFN

Every great detective movie has one thing, a hero that walks the line, but when it comes down to it still knows the difference between right and wrong. Denzel Washington's Matius Whitlock is that kind of hero.

"Out of Time" is a wild ride of a movie; the kind you strap into and can't believe it's over so quickly. It's predictable at times, but fun, and I still recommend it.

When out a house fire turns out to be arson, and the dead bodies become a double homicide; Banyan Key's top cop is the number one suspect. The thing is he's the only one that knows it and must keep one step ahead of his police force as the facts unfold.

It's a race between Whitlock, and the lead detective, his wife, played by Eva Mendes, who also worked with Washington in "Training Day."

The film features another stellar performance from Washington. Each move Whitlock makes is in desperation, and he lets us know this without mentioning it.



Director Carl Franklin shows us a different looking South Florida, one not seen in "CSI: Miami" or "Bad Boys II" — a Florida where it rains, men let their beards grow, and everybody sweats. It must've been hard, considering he assembled the sexiest cast in history.

Washington and Franklin have worked together on another good detective movie, "Devil in a Blue Dress."

At times, the town Banyan Key seemed a little too familiar, with Denzel spending most of the movie running around in an Aloha shirt and the local police force dressed much like our local police force. The only thing missing were the bicycles and the Pacific Ocean.

If you like "Out of Time" you may like "Night Moves" starring Gene Hackman, also available at Tape Escape.

Washington plays the chief of police in a small Florida Keys town where his life is filled with the mundane duties of door rattling and barking dog complaints.

His life is turned upside down when a high school sweetheart comes back into his life just as his wife, Eva Mendes, a homicide detective for the Miami Police department, and Washington are discussing divorce.

John Billingsley, the town's medical examiner and Washington's best friend, is the disheveled comedic sidekick willing to go to any lengths to help his friend.

Washington's lazy life-style and police code of honor is rocketed into drugs, betrayal and murder when he chooses to help Mendes with a life changing secret.

His soon to be ex-wife is brought in on a homicide case and Washington has to stay one step ahead when all the evidence starts to point toward him.

Intrigue and suspense surround his struggle to vindicate himself of murder charges and then the plot thickens with every move he makes to clear his name.

A hard-nosed government DEA agent starts to make demands Washington can't live up to and Mendes begins to get closer to the truth.

The story builds to a surprising ending and all the players start to sort out what they think is the truth.

Washington demonstrates his versatility in the film going from a calm, cool and collected police chief to a frazzled, hunted suspect trying to cover his tracks.

Don't miss a thing in this movie or you might miss the subtle humor Billingsley brings to this thriller.

A must see for Washington fans who have about two hours to stay riveted to the TV.

Marshallese Word of the Day

Day – Ran

The Kwajalein Hourglass

Commanding Officer ...Col. Jerry Brown
Public Affairs Officer...LuAnne Fantasia
EditorJim Bennett
Assistant Editor..... KW Hillis
Graphics Designer.....Dan Adler
Reporter..... Jan Waddell
Circulation..... Jon Cassel
Intern..... Krystle McAllister

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

The Kwajalein Hourglass is an authorized publication for military personnel, federal employees, contractor workers and their families assigned to USAKA. Contents of the Hourglass are not necessarily official views of, or endorsed by, the U.S. Government, Department of Defense, Department of the Army or USAKA. It is published Tuesdays and Fridays in accordance with Army Regulation 360-1 and using a network printer by Kwajalein Range Services editorial staff, P.O. Box 23, APO AP 96555.

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

By Jan Waddell
Hourglass

"Out of Time," starring Denzel Washington, is a suspense-filled thriller with twists and turns which will keep you on the edge of your seat.



Window on the Atoll:
Dr. Martin Luther King Jr.
memorial walk

All AFN programming is
subject to change without notice.

Hourglass Advertising

Hourglass classified ads are due by noon, 11/2 days before publication. Friday's ads are due by noon Wednesday and Tuesday's ads are due by noon Friday.

All ads for a given resident must be less than 50 words. We will combine multiple ad submissions, where necessary, or edit for style and space.

Letters to the Editor

To submit a letter: Keep letters to less than 300 words, and keep comments to the issues. Letters must be signed.

We will edit for AP style and, if you exceed the word limit, space. Limit one letter every 30 days.

Send your letter to:

The Hourglass, P.O. Box 23, Local; or
jbennett@kls.usaka.smdc.army.mil.

Hospital Imaging brings in specialists, digitally

By KW Hillis
Associate Editor

A group of doctors, all radiologists, will become part of Kwajalein Hospital's staff this spring when the Imaging Department starts digitally sending all X-rays, rather than a handful, off-island for reading. Converting X-rays from film to digital is about better patient care.

"I think the big difference for Kwajalein is that this means the patients will now have their X-rays evaluated by a specialist, in real time," said Dr. Edward Paget, Kwajalein Hospital staff surgeon. "And the big thing is that things are less likely to be missed and misinterpreted."

Last week one of two X-ray film chemical processors was taken out of the Imaging Department in preparation of installing the digital acquisition machine. This is step one in a two-step process of installing the Picture Archival Communications System which, when done later this spring, will allow Imaging Department manager Nancy Barge and Imaging technologist Susan Zehr to transmit the images off-island and have them read the same day by a radiologist.

"What has been going on now is that 10 percent of the X-rays that are taken here are actually read by a radiologist," Barge said. "Largely, that 10 percent is comprised of mammograms because they have to be read by a radiologist by FDA [Federal Drug Administration] requirements."

Currently, the Kwajalein physicians read the X-rays, peer reviewing each other's films, only sending suspicious ones to Straub, Paget said.

"We will be going from people not trained in radiology doing evaluations ... to people who are specialists in being able to read the films," Paget said. "There are several places that it will make a big difference. One of the places is in trauma. We [will] have an immediate reading of possible broken bones or the radiologist may pick up and see a fracture we don't see."

Another area where the new technology can make a difference is the radiologist off-island may



John Palmieri checks a test X-ray on a model hand Wednesday while installing the hospital's new digital X-ray equipment.

(Photo by Jan Waddell)

suggest a certain view be taken while the patient is still in the office, he said. When the Kwajalein doctors think something is abnormal on an X-ray is read and dismissed by a radiologist, the patient can be put at ease immediately, not two weeks later.

"This is used in a lot of places," Paget said explaining that he has a radiologist friend in Arizona who currently reads digital X-rays that are taken in the Caribbean.

The Imaging Department on Kwajalein currently uses three types of imaging — mammograms, X-rays and sonograms. Before the hospital switched from Queen's to Straub Hospital and Clinic because Queen's lost their malpractice insurance for the Marshall Islands, all three types of imaging were read by radiologists. Now Straub only reads mammograms and the few X-rays sent, Barge said, explaining that Straub, by policy, will not read off-site sonograms since sonograms are very operator-dependent.

As part of getting ready to digitally transmit X-rays and, hopefully, sonograms, the requirements or scope of services is being worked on to find a radiology group that will work with Kwajalein, Barge said. The turnaround time for an X-ray to be read by a radiologist is the same day and, in the case of an emergency, the turnaround time is an hour.

The new system will allow doctors, from their computer terminals, to view patients' X-rays and reports from the radiologist. It will also do away with the wall of fold-

ers containing film in the Imaging Department, she said, explaining that regular X-rays have to be kept five years before throwing away and mammograms, 10 years.

But there is a lot for Barge and Zehr to learn, which is one reason for installing the PAC system in two stages.

"Neither Susan nor I have had hands-on experience with digital acquisition and transmission. I'm familiar with a dry laser printer, but as far as exposing charged plates instead of film, it's a whole new ball game," Barge said, adding that there will be another learning curve when the transmission part of the PAC system is installed.

Since last week, X-rays and mammograms are still being done using the second of the two film processors, previously dedicated to mammograms only, she said. Within five years, Barge said she sees mammography on Kwajalein also being sent digitally.

One problem with mammography is that radiologists require a current mammogram and a previous, base-line mammogram for analysis. Other than in a teaching institution, it is hard to find a radiology group to read both digital and film.

But the upgrade for X-rays, which has been discussed for years, is a welcome one.

"It's a big step forward," Paget said. "We still lack some real imaging capabilities, but at least we've made the big step forward for what we have here ... [in the late spring] we can interpret [X-rays] at a high level of certainty."

Here, mission work is rocket science

Editor's Note: This is the first in a two-part series on the Reagan Test Site and its plans for 2004. Here, we look at the shared assets and teamwork that goes into planning the several missions set for this year, along with two teams, Space and ICBM, which are focused primarily on those missions. Next issue, we'll look at the Theater and Ground-based Midcourse Defense teams.

By KW Hillis

Associate Editor

TDY people are already arriving and most departments on island are gearing up to support the first mission, of a very busy year for Reagan Test Site. IFT-13b will be the first Ground-based Mid-course Defense mission since December 2002 and the first RTS high-profile mission since Sept. 10 when an inter-continental ballistic missile's Glory Trip lit up Kwajalein Atoll's evening sky.

"We are looking at the first shot here of the new GMD booster" said Lt. Col. Anne Daugherty, RTS commander. "That supports a follow-on test of an integrated booster."

But the follow on mission conflicted with a Theater Missile Defense mission so the TMD mission was rescheduled by the program's command to later this year or next, she said.

But even slipping the TMD mission does not mean that people and equipment assigned to the GMD, ICBM, TMD or Space Operations Integrated Process Teams have down time.

"Nobody gets to kick back in between missions. We support all those programs with [many of] the same people," Daugherty said. "It is still a busy year because we ...have been in that 90-day window of execution since August. Something has always been 90-days out."

The Range supports two broad mission areas — space operations and missile testing, with the second area broken down into three sub-mission programs: ICBM, GMD and TMD. TMD supports tests of weapons systems that are designed for theater level conflict, while both GMD and ICBM are more National level programs.

For all the missions, the range IPTs share assets, both people and equipment, despite the fact that each IPT's program customer is unique. This sharing of people and assets available on this range and other National ranges creates a need to choreograph each and every mission and its accompanying ramp-up time. If one mission has to slip, even a few days, it may mean a conflict with another mission although on the surface it doesn't look like there would be any impact. So daily planning and scheduling sessions involving RTS and U.S. ranges worldwide, are critical parts of keeping RTS operations running smoothly.

"There is a lot of work that goes into scheduling missions," said Maj. Win Keller, TMD IPT lead, explaining that there is an overall schedule for every mission con-

ducted at the Pacific ranges. "Individual ranges submit mission requirements and working together the range IPTs de-conflict the schedule."

But it is more than just trying to work out any conflict between ranges and the use of assets, the schedule has to be worked out at the range level, he said. In addition to making sure the right people are on hand, maintenance on the radars and other equipment has to be accomplished too.

"Typically in any missile test, the Range uses a full complement of its instrumentation capabilities," said Capt. Mitch Stevison, GMD IPT lead. "In a GMD test, we use probably 95 percent of every piece of instrumentation on island. I think TMD may use more."

Along with the instrumentation, people are also shared. For some, like the radar operators, their job challenges remain virtually the same no matter which mission they are working.

"Whether it is a space object, an outbound missile or an inbound missile, the [object's] functions are slightly different, but the radar operator's responsibility for each is to operate their radar and track whatever objects they are assigned to track," said Maj. Dennis Gaare, ICBM IPT lead. The dynamics of those objects can change, mission to mission, and that poses the challenge.

Other personnel, like ICBM Mission Technical Director Merrie Beth Schad, have to switch gears to support different IPTs, sometimes at the same time.

"The military guys here each have a dedicated mission area. What we do is organize the support for it," Gaare said, explaining that Schad is also supporting the TMD IPT for Keller. "She is multi-tasking and we are the ones that have to clear away the conflicts."

Ultimately the Range Commander decides what can and cannot be supported by the range, Keller added.

"We have some incredible people here that are so sharp at being able to come up with how [to best] support all these things simultaneously," Daugherty said. This is an integrated effort.

"Every IPT that supports a mission area has government military, government civilian, MIT, KRS [both] mission and logistics side, and more. [We're working] to get a fully coordinated effort," she said.

The *Hourglass* spoke to each IPT Test Lead to find out what makes their IPT unique and what the future holds.

Space Operations IPT

Space's missions are usually not high profile, since each mission doesn't culminate with a shot from Vandenberg Air Force Base in California or a missile out of a silo on Meck Island. Instead it is a 24-hour-a-day, seven-day-a-week mission or marathon mission, said Capt. Michael Russell, Range Space officer.

"The mission is to catalog man-made objects in



Lt. Col. Anne Daugherty



Maj. Win Gaare

space,” he said. “Tasked by the Air Force in Colorado Springs, we provide updates to the space object catalog. We also provide radar images for objects of special interest. RTS is part of a Space Surveillance Network including the Millstone radar near Boston and other sensors across the world,” he said. “We use different tools to do it. ALTAIR and TRADEX are our deep space radars ... Then ALCOR and MMW are the ones that [provide the images] ... Sometimes we use them in concert with each other and sometimes they operate alone.”

Despite the more automated aspect of the IPT, there are some unique opportunities.

“During the day, even when they are doing maintenance on the radars, [Space Operations support] still has people standing by in case of a new foreign launch,”

“When you do space operations every day, you don’t get that same closure that a team supporting the launch of a missile gets when it is finally launched ... [an NFL] is a really big event for the Space Ops team and an opportunity to showcase how great they are.”

— Lt. Col. Anne Daugherty
RTS Range commander

he said. “We are in a great spot to track them.”

On Oct 15, Kwajalein Space Surveillance Center tracked the launch of Shenzhou-5, the Chinese’ first manned flight.

“We were standing by, it was 9 a.m. in China, but it was 1 p.m. for us,” he said, explaining that the center does have a 15 minute recall, 24 hours a day to handle any special missions.”

“It was interesting for me because Dr. Jay Donnelly, from MIT and Herb Schmidt, from KRS, and the whole space operations crew were so proficient at what they were doing ... our period of coverage was a six minute snapshot.”

The tracking took place just “20 minutes after it launched,” Daugherty said, explaining that tracking foreign launches is particularly satisfying for the Space Operations IPT. “When you do space operations everyday, you don’t get that same closure that a team supporting the launch of a missile gets when it is finally launched ... [an NFL] is a really big event for the Space Ops team and an opportunity to showcase how great they are.”

Although Space Operations does share equipment and people with other IPTs, Space Ops rarely requires use of the Kwajalein Mission Control Center. In the case of the Chinese launch they did.

Space Operations is also scheduled to track the shuttle when it resumes its launch schedule, Russell said, adding that they were not tasked to track the Challenger last February on its fateful re-entry.

Russell pulls in a team to work missions for other customers, too, which also adds to the complexity of scheduling people and equipment.

“He and the team that supports him have a large number of smaller projects coming next year,” Daugherty said. “There is much more growth potential in the

space support to other customers ... The NASA EQUIS II [see July 22, 2003 Hourglass issue] is the biggest [currently scheduled] outside of the regular space surveillance program.”

Space’s schedule for the upcoming year is daily space surveillance and EQUIS II this summer.

ICBM IPT

After Space, the ICBM IPT is the most stable in terms of schedule.

“In a general sense, the ICBM testing has been going on since the ’50s,” Gaare said.

This Air Force run program tests two types of missiles, Peacekeeper and Minuteman III, he said, explaining that tests are already scheduled out several years. The major difference between the two ICBM missiles is the number of re-entry vehicles, or RVs, that they deliver.

“On the average ... we [support] four tests a year,” he said. “In the next couple of years that will increase slightly”

The objective for the Air force is to test the system’s accuracy and reliability.”

The missiles sit in silos under rugged conditions — 50 degree below zero weather in the winter and 100 degrees above in the summer.

“These tests prove that the system is reliable over years.”

A large number of RVs to track does test the limits of the range since the four radars have to jump from RV to RV as they come in, but it is a well choreographed process.

The ramp-up for an ICBM mission is, on a small scale, six months, which becomes most intense in the last 60 days,” he said, adding that the four missions a year, called Glory Trips, don’t come quarterly, rather they can be found bunched together.

The name Glory Trip, Gaare believes, comes from the moment of fame that a successful mission bestows upon the crew which shoots the missile.

“This is an actual force development evaluation, where they are randomly picking the missile, they are taking that maintenance crew, the operations crew [that support that vehicle],” Schad said. “It is an operational exercise for them, but they are also being evaluated on how well they do. ... they are the ones that [must prepare and] launch the missile.”

ICBM missions are definitely a team mission bringing in other island organizations like the Marine Department (Great Bridge), police department and many others.

“I can’t think of, in one way or another, any organization that doesn’t get involved,” he said.

There are some changes on the horizon for ICBM IPT.

“The end of [supporting] Peacekeeper [tests] is coming,” he said, explaining that the most impressive pictures Optics captures are those of a Peacekeeper’s nine RVs coming in and there are only two more such missions.

The last two Peacekeeper missions are scheduled between now and 2006.

The number of ICBM missions will rise slightly over the next few years, but they won’t be as [visually] spectacular, Gaare said, due to an eventual shift to single RV missions.

Student drivers return to Kwajalein's roads

By Jan Waddell
Reporter

A white van with the not-so-familiar sign "Student Driver" will soon hit the streets of Kwajalein.

Paul Allee, a retired history and driver education teacher from Oklahoma, will ride in the passenger seat instructing 21 students in the art of driving.

Allee said he is on Kwajalein to "do something I enjoy doing."

Driver's ed had been a part of the school curriculum until 1997-98, when the teacher certified to teach the course left island.

"When we look for new teachers every year, we look for someone with driver's ed certification," said Karen Ammann, school superintendent, adding that no candidates have been found.

In a teen town hall, however, students asked Col. Jerry Brown, USAKA commander, if the course could return. With additional funding, Allee was brought out TDY to teach the course.

"Since we had to go down to 10th grade to fill the class, I'm not sure this is something we could do every year," Ammann said.

Allee taught history and drivers education for 15 years and then worked in administration for an-

other 15 years before retiring. He has a master in counseling, but admitted he enjoys teaching and traveling more than the administrative side of education.

He stated he is not only teaching here on Kwajalein, but also experiencing some place he normally would not be able to go.

He will be on-island for six weeks teaching both drivers education and drivers training.

Each student will spend 30 hours in the classroom learning driving rules and laws from Hawaii's Driver's Handbook, Oklahoma's Driver's Handbook and Kwajalein's driver's handbook. They will also complete the Kwajalein driver's test.

The students will then each spend six hours of actual behind-the-wheel driving. They will first drive around the non-residential areas, for the first three to four hours of driving experience, and then Allee will have the students drive the residential sections of Kwajalein.

He said he wanted the students to have the experience of residential driving, but there will be some areas they will not be going to due to the narrowness of the roads.

According to Allee students must

have a total of 30 hours of classroom training and six hours of driving instruction before receiving a letter stating they have completed the course.

Class time will be from 3:30-5 p.m. and driving time will be from 5-7 p.m. on the week days. Times will vary on the weekends, anywhere from 7 a.m. to 7 p.m., Allee said.

The student drivers will not drive after dark, said Steven Howell, Kwajalein Jr./Sr. high school principal.

Allee said he will never have fewer than two students in the van and no more than four, with each student driving a total of one hour per lesson.

"No one will drive for more than an hour at a time," Allee said.

He will also share with the students films on driving in inclement weather.

Students who complete the driver's training course may apply either for their learner's permit or driver's license.

At the completion of the course, each student will receive a letter stating they have completed a driver's education course with the limitation of driving a maximum of 25 mph.

Lice cases found in school

By Jim Bennett
Editor

Health and school officials are dealing with a lice situation at the schools.

Officials have identified cases in kindergarten and second grades. The lice prompted a classwide, and later, gradewide inspection, according to Valerie Janikowski, outpatient department nurse manager.

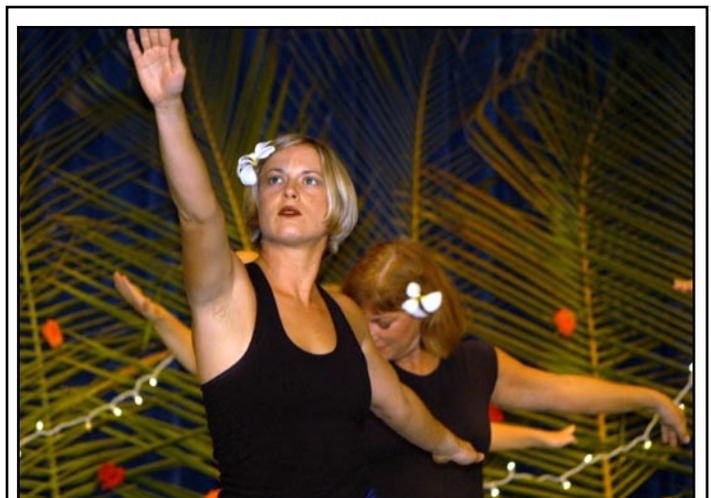
School superintendent Karen Ammann said lice occur at the school every year and the schools follow a set procedure with the hospital.

Kids found to have lice are sent home unable to return until they submit to and pass a follow-up exam at the hospital, Janikowski said.

This year's situation grew further complicated by the lack of lice shampoo at the time of the initial discovery, she said.

Health officials have since obtained lice shampoo, now available at the pharmacy, but in the meantime, they suggested a return to home therapies, she said. Those infected were asked to wash their hair in mayonnaise or olive oil, which apparently kills the lice.

Parents concerned about lice may bring their students by for an inspection by a nurse, Janikowski added.



(Photo by Jim Bennett)

Hula dancers

Cassie Rubley, front, and Mary Johnson, perform a hula dance as part of a hula dance recital given by Masina McCollum's students Monday at the Davye Davis Multi-Purpose Room. The student performers ranged from young children to beginner's ladies to advanced students.

SAC talks calendars, curricula and sports

By Jan Waddell
Reporter

The School Advisory Council met last Wednesday at the elementary school music room with the proposed 2004/2005 school calendar, social studies curriculum update and new rules for students playing sports topping the issues.

The proposed 2004/2005 school calendar was available at the meeting and can be obtained, by request, from the Kwajalein School superintendent's office.

Maj. Jud McCrary stated the school calendar is designed with several factors taken into consideration. He stated anyone with concerns about the calendar should voice those concerns with their local SAC representative and then the proposed calendar will be discussed during February's meeting.

Steven Howell, Kwajalein Jr./Sr. High School principal, stated the kindergarten through 12th grade social studies curricula is still being revised and that a rough draft will be available some time in February and will be made available as soon as it is completed.

Howell also addressed student athletes playing both softball and volleyball which run concurrently this year.

Who to call

School Advisory Council members

Jud McCrary	USAKA	53400
Jim Davis	USAKA	53421
Bill Riley	KRS	50079 riley@kmr.ll.mit.edu
Janette Bishop	KRS	50533
Lee Chewey	KPD	54429
Jennifer Keck	MIT/LL	51950 jkeck@kwajalein-school.com
Shelly Corbett	George Seitz PTO	50161
Sherry Butcher	Boeing	50153
Jeffrey Parker	High School PTSO	PO Box 1027

"Kids could play both if they want to," Howell said.

Howell explained student athletes are now permitted to compete in two sports providing the first sport has priority, games have priority over practice and the student athlete has the responsibility to talk with each coach about their schedules.

Students were also notified of the policy changes at school, Howell said.

Girls will not field a team in softball this spring, but the boys will field two softball teams, Howell said. Tryouts for the boy's teams are tomorrow at 4 p.m., he added.

Other topics discussed were:

- Elementary school report cards were sent home yesterday with the students and high school report cards will be mailed tomorrow. This information was provided on the roller.

- The Kwajalein Police Department donated 10 bikes to the high school Parent Teacher Organization for the Ebeye students and locks have been purchased for all the bikes.

- The high school variety show will be held on Feb. 28. Tickets for the show will be pre-sold only.

The next SAC meeting will be Feb. 18 at 7 p.m. in the elementary school music room, 342.

Wednesday bowlers wrap up winter, start spring

By Jan Waddell
Reporter

The team TR-4 DA ROAD made up of Bartina Vinluan, Cathy Thomas, Tieta Thomas and Rubin Pippitt, claimed the Wednesday Winter Bowling League championship with Patty Potts winning the no-tap women's tournament and Tieta Thomas taking the men's division tournament.

The next league will start on Jan. 28 and run for approximately eight weeks, said Bernard Bard Ching, president of the Wednesday Night Bowling League.

"We are taking the league a little at a time," said Ching.

According to Ching, the new automatic scoring machines from Johnston Island are due to be installed soon, so that is why they are only having an eight-week league.

The league is a mixed league and

Ching said anyone is welcome to come down and sign up as an individual or as a team. The teams are four-player teams.

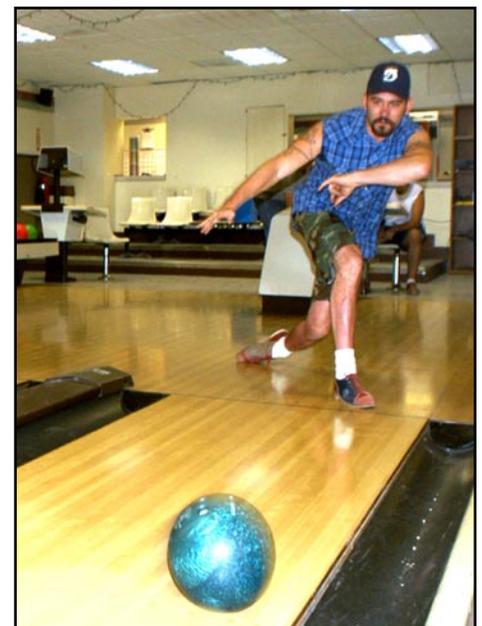
Ching has special nights where he has Presidential Award games. Bowlers win prizes for picking up splits, strikes and other tough bowling shots.

Players or teams can either show up Wednesday night or they can see Thompson at the bowling alley to sign up, Ching said.

League starts at 6:30 p.m. but Ching advised those wanting to sign up to show up at 6 p.m. If there is no room left on the current teams, players can sign up to be substitutes.

There is a \$10 lane fee per person, Ching said but if the player is a substitute then he does not pay the lane fee.

"It is a fun league," Ching said.



(Photo by Jim Bennett)

Nathan Jones bowls with friends Wednesday. League play starts next week.

DoD uses tech in search for nonlethal systems

By Gerry J. Gilmore
American Forces Press Service

WASHINGTON – To win hearts and minds during 21st-century military operations, it will be essential for U.S. service members to have options other than the use of deadly force, a senior Defense Department official asserted.

“You don’t want to go into another person’s country with the only option being lethal force, because that will turn the populace against you,” said Alan R. Shaffer, the director for plans and programs with DoD’s Office of Defense Research and Engineering.

Accordingly, Shaffer said the department plans to stand up a new science and technology program to develop nonlethal methods that can be used to maintain order in civil-military and other operations.

The global war against terrorism, Shaffer pointed out, has highlighted the changing face of conflict in the new century. For example, he continued, U.S. forces in Afghanistan and Iraq often find themselves trying to distinguish insurgents from “friendly” civilians.

Using lethal force, Shaffer said, can produce unintentional civilian casualties – including children. Rather than firing bullets into an unruly crowd, he asked, might it be better to employ nonlethal means to restore order?

“You get hit with the high-powered microwave and you run away.”

— Alan R. Shaffer
DoD’s Office of Defense
Research and Engineering

Consequently, Shaffer said DoD is working to develop nonlethal tools to “give our young troops -- as well as our policy and decision-makers” an option other than the use of deadly force.

One nonlethal tool under development, he said, is an “active-denial” microwave-like device that can be directed at a distance to heat up the moisture in a person’s skin, causing an uncomfortable temperature increase that’s envisioned to dissuade mob attacks.

“So, if a hostile crowd is moving toward you, you use the active-denial system (and) they will stop coming,” Shaffer explained, noting researchers “have yet to find anybody” who will continue to move forward against the system.

“You get hit with the high-powered microwave and you run away,” he said.

Another nonlethal system under development, Shaffer continued, is super-slick matting that can be placed around a building to help pre-

vent terrorists from using trucks to breach security perimeters. Another innovation envisioned for crowd control, he added, uses a sticky foam substance that hardens.

Having nonlethal options, Shaffer pointed out, would have been useful when the destroyer USS Cole was attacked in port in Aden, Yemen, on Oct. 12, 2000, by terrorists in a bomb-laden boat. The bomb blew a hole in the ship’s hull and killed 17 service members and injured 39.

The Cole incident represented a “horrible situation,” Shaffer maintained, where the crew could “see something coming up to their ship ... and the only choices they had were to let this dinghy run into them or use lethal force against” an uncertain threat.

Employing an active-denial system like the heat-producing device likely would have prevented the terrorists from coming near the destroyer, Shaffer noted, while providing the Cole’s crew enough time to size up the threat.

Shaffer said it’s important to know that all nonlethal devices and materials are tested to ensure they don’t do permanent damage.

“We don’t win hearts and minds if we shoot a sticky foam or shoot a laser out on someone that buys you time and space, but blinds the target permanently or is toxic,” he said.

Range mission set for Tuesday

From Range Safety Office

A Range Operation is scheduled for Tuesday, Jan. 27, 2004.

Caution times are 12:01 p.m. through 8:01 p.m.

Bigej Island and the waters north of Bigej Pass are off limits for the mission.

See Jan. 21 *Hourglass* for maps of caution areas.

In order to ensure clearance of non-mission support personnel from the mid-atoll corridor, by the window opening time, KPD Island clearance procedures will begin at approximately 7:30 a.m. on Saturday, Jan. 24, 2004 and continue until evacuation has been accomplished.

Egress of all air and sea craft will be required, when requested by authorized clearance personnel.

Subsequent to lagoon clearance the hazard area will be in effect until mission completion.

In conjunction with this operation a Kwajalein met rocket is scheduled as soon as possible after the launch from Meck Island on Tuesday, Jan. 27, 2004. The caution areas are defined on attached maps.

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

12:01 p.m. through 8:01 p.m.
Wednesday, Jan. 28, 2004.

12:01 p.m. through 8:01 p.m.
Thursday, Jan. 29, 2004.

Questions regarding the above safety requirements for this mission should be directed to the Command Safety Office, Range Safety Officer at ext. 51910.

Police investigate stolen scooters

By Jim Bennett
Editor

Police are investigating the damage and or theft of up to nine scooters taken from the Automotive Central Motor Pool and a Supply warehouse, according to Lt. Moses Moreno, KPD chief investigator.

Moreno said two scooters were found this week at Emon Beach and the Fuel Pier, respectively, both apparently hot-wired, while seven others still parked at the CMP and a warehouse appeared to be damaged around the ignition casing.

Moreno asked anyone with information on this case call KPD at 54447.

Saturday, Jan. 24

Time	Channel 9-AFN Atlantic	Channel 13 - AFN News-Sports	Channel 14 - AFN News	Channel 17 - AFN Sports	Channel 23 - AFN Spectrum	Channel 35 - AFN Direct to Sailors
12:00AM	The Late Show	Good Morning America	Good Morning America	SpotsCenter	Savage Seas	24
12:30AM	Access Hollywood			Australian Open Tennis	The Life of Mammals	Headline News
1:00AM	Movie: The Disorderly Orderly	Headline News	Headline News	Day 5		
1:30AM	Headline News			World News	World News	Iron Chef
2:00AM		Early Show	Early Show			
2:30AM	Movie: Anna and the King of Siam			FOX News Live	FOX News Live	The Fairly Oddparents
3:00AM		FOX News Live	FOX News Live			Inside the NFL
3:30AM	Primetime			Primetime	College Basketball UCLA at Stanford	
4:00AM		FOX News Live	FOX News Live			College Basketball Oregon at Arizona State
4:30AM	Headline News			Headline News	College Basketball Oregon at Arizona State	
5:00AM		Headline News	Headline News			Around the Horn
5:30AM	Lester Holt Live			Lester Holt Live	Pardon the Interruption	
6:00AM		Headline News	Headline News			SportsCenter
6:30AM	NBC Nightly News			NBC Nightly News	SportsCenter	
7:00AM		ABC World News	ABC World News			NBA Shootaround
7:30AM	NBC Evening News			CBS Evening News	NBA Houston Rockets at Indiana Pacers	
8:00AM		NBA Houston Rockets at Indiana Pacers	News Hour with Jim Lehr			Hannity and Colmes
8:30AM	Hannity and Colmes			CNBC: The News	ESPNNews	
9:00AM		ESPNNews	BET Nightly News			BET Nightly News
9:30AM	Nightly Business Rept.			Nightly Business Rept.	Nightly Business Rept.	
10:00AM		Larry King Live	Larry King Live			Larry King Live
10:30AM	Newsnight with Aaron Brown			Newsnight with Aaron Brown	Newsnight with Aaron Brown	
11:00AM		Paula Zahn Now	Paula Zahn Now			Paula Zahn Now
11:30AM	Nightline			Nightline	Friday Night Fights	
12:00PM		Pardon the Interruption	Air Force TV News			ESPNNews
12:30PM	Hardball with Chris Matthews			Hardball with Chris Matthews	SportsCenter	
1:00PM		O'Reilly Factor	O'Reilly Factor			SportsCenter
1:30PM	Dateline NBC			Dateline NBC	Inside the NFL	
2:00PM		The Practice	The Practice			The Practice
2:30PM	The Practice			The Practice	The Practice	
3:00PM		The Practice	The Practice			The Practice
3:30PM	The Practice			The Practice	The Practice	
4:00PM		The Practice	The Practice			The Practice
4:30PM	The Practice			The Practice	The Practice	
5:00PM		The Practice	The Practice			The Practice
5:30PM	The Practice			The Practice	The Practice	
6:00PM		The Practice	The Practice			The Practice
6:30PM	The Practice			The Practice	The Practice	
7:00PM		The Practice	The Practice			The Practice
7:30PM	The Practice			The Practice	The Practice	
8:00PM		The Practice	The Practice			The Practice
8:30PM	The Practice			The Practice	The Practice	
9:00PM		The Practice	The Practice			The Practice
9:30PM	The Practice			The Practice	The Practice	
10:00PM		The Practice	The Practice			The Practice
10:30PM	The Practice			The Practice	The Practice	
11:00PM		The Practice	The Practice			The Practice
11:30PM	The Practice			The Practice	The Practice	

Sunday, Jan. 25

Time	Channel 9-AFN Atlantic	Channel 13 - AFN News-Sports	Channel 14 - AFN News	Channel 17 - AFN Sports	Channel 23 - AFN Spectrum	Channel 35 - AFN Direct to Sailors
12:00AM	David Letterman	CNN Saturday Morning	CNN Saturday Morning	NBA Houston Rockets at Indiana Pacers	Gilmore Girls	Law and Order: SVU
12:30AM	Access Hollywood				The Division	Headline News
1:00AM	Movie: There's Something About Mary	20/20	20/20	SportsCenter	Movie: Indecent Proposal	Saturday Night Live
1:30AM		NBC Saturday Today	NBC Saturday Today			NFL Live
2:00AM				Wall Street Journal	Wall Street Journal	Wire to Wire
2:30AM		America's Black Forum	America's Black Forum			SportsCenter
3:00AM	Movie: Something to Talk About	NCAA Basketball Virginia at North Carolina	News From CNN Dateline NBC	Australian Open Tennis Day 6	Living Better	SportsCenter
3:30AM					Headline News	
4:00AM		NCAA Basketball Teams TBA	FOX News Live	NCAA Basketball New Mexico State at Western	Homes with Style	Winter X Games Day 1
4:30AM					Headline News	
5:00AM	Bulletin Board	NCAA Basketball Duke at Georgetown	Air Force TV News 20/20	NCAA Basketball Tennessee at Duke (Women's)	While You Were Out	Hour of Power
5:30AM					Headline News	
6:00AM	Dateline NBC	ESPNNews	McLaughlin Group	NCAA Basketball Dallas Stars at St. Louis Blues	Indecent Proposal	Coral Ridge Hour
6:30AM					Headline News	
7:00AM	Bear/ Big Blue House	Capital Gang	Capital Gang	NCAA Basketball St. Louis Blues	Swamp Critters...	NCAA Basketball Pittsburgh at Syracuse
7:30AM	Franklin				Headline News	
8:00AM	Rocket Power	NHL Dallas Stars at St. Louis Blues	Washington Week Headline News People In The News CNN Saturday Night	NHL Dallas Stars at St. Louis Blues	Real Videos	ESPNews
8:30AM	The Fairly OddParents				Headline News	
9:00AM	Yu-Gi-Oh!	Dateline International	Dateline International	Australian Open Tennis Day 7	Malcolm in the Middle	Ancient Mysteries
9:30AM	The Proud Family				Headline News	
10:00AM	Trading Spaces	Larry King Weekend	Larry King Weekend	NBA Fastbreak	The King of Queens	Storytellers
10:30AM	Family				Headline News	
11:00AM	Operation Junkyard	At Large with Geraldo Rivera	At Large with Geraldo Rivera	Track & Field	Harvest with Greg Laurie	MotorWeek
11:30AM	How to Boil Water				Headline News	
12:00PM	Entertainment Tonight	PGA Tour Bob Hope	Headline News America's Black Forum	PGA Tour Bob Hope	The Twilight Zone	WWE Smackdown
12:30PM					Headline News	
1:00PM	WWE Raw	Chrysler Classic Third Round	Chris Matthews Show	Chrysler Classic Third Round	Malcolm in the Middle	Andromeda
1:30PM					Headline News	
2:00PM	The Simpsons	CNN Presents	CNN Presents	SportsCenter	Real Videos	Headline News
2:30PM	Malcolm in the Middle				Headline News	
3:00PM	Raymond	PGA Tour Bob Hope	Big Story Weekend Edition	PGA Tour Bob Hope	Harvest with Greg Laurie	ESPNews
3:30PM	The King of Queens				Headline News	
4:00PM	American Dreams	Chrysler Classic Third Round	Navy/Marine News	Chrysler Classic Third Round	Real Videos	Judging Amy
4:30PM					Headline News	
5:00PM	M*A*S*H*	CNN Presents	CNN Presents	SportsCenter	Malcolm in the Middle	Movie: The Wood
5:30PM	Mary Tyler Moore				Headline News	
6:00PM	Buffy the Vampire Slayer	PGA Tour Bob Hope	Big Story Weekend Edition	PGA Tour Bob Hope	The King of Queens	The Wood
6:30PM					Headline News	
7:00PM	One on One	Chrysler Classic Third Round	Navy/Marine News	Chrysler Classic Third Round	Real Videos	Headline News
7:30PM	According To Jim				Headline News	
8:00PM	The Practice	CNN Presents	CNN Presents	SportsCenter	Malcolm in the Middle	ESPNews
8:30PM					Headline News	
9:00PM	Law & Order: SVU	PGA Tour Bob Hope	Big Story Weekend Edition	PGA Tour Bob Hope	The King of Queens	Movie: The Wood
9:30PM					Headline News	
10:00PM	Window on the Atoll	Chrysler Classic Third Round	Navy/Marine News	Chrysler Classic Third Round	Real Videos	Judging Amy
10:30PM	Saturday Night Live				Headline News	
11:00PM		CNN Presents	CNN Presents	SportsCenter	Malcolm in the Middle	ESPNews
11:30PM					Headline News	

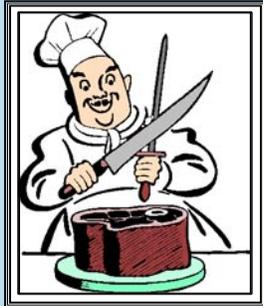
Monday, Jan. 26

Time	Channel 9-AFN Atlantic	Channel 13 - AFN News-Sports	Channel 14 - AFN News	Channel 17 - AFN Sports	Channel 23 - AFN Spectrum	Channel 35 - AFN Direct to Sailors
12:00AM	Live in Hollywood	Fox and Friends	Fox and Friends	NFL Films Presents	American Dreams	Movie (continued)
12:30AM						
1:00AM						
1:30AM	The Entertainers	CBS News Sunday Morning	CBS News Sunday Morning	NCAA Basketball	M*A*S*H*	Headline News
2:00AM	All in the Family				Mary Tyler Moore	Seinfeld
2:30AM	The Twilight Zone				All in the Family	Meet The Press
3:00AM	Fantasy Island	Face The Nation	Face the Nation	SportsCenter	Fantasy Island	America's Black Forum
3:30AM						Entertainment Tonight
4:00AM	Swamp Critters	Headline News	Headline News	NFL Countdown	Swamp Critters...	ESPNNews
4:30AM	Harvest with Greg Laurie	Navy/Marine News	Navy/Marine News	Harvest with Greg Laurie		
5:00AM	Bulletin Board	ESPNNews	Late Edition with Wolf Blitzer	Winter X Games Day 1	Music /Spoken Word	SportsCenter
5:30AM	Hour of Power	NBA Sacramento Kings at Dallas Mavericks			Real Videos	
6:00AM	Celebration of Victory	Dallas Mavericks	Fox News Live	HBO Boxing	The Simpsons	NCAA Basketball
6:30AM	Coral Ridge Hour				Malcolm in the Middle	Highlight Show
7:00AM	The Word in the World				Raymond	NCAA Basketball
7:30AM	Cafe Video	ESPNNews	CNN Sunday	NCAA Basketball LSU at Georgia (Women's)	The King of Queens	Michigan State
8:00AM	Wishbone				at Purdue	
8:30AM	Sesame Street Specials	College Basketball Oregon at Arizona	Meet the Press	American Dreams	NCAA Basketball	
9:00AM	Movie: Hounded	SportsCenter	Tim Russert	NCAA Basketball Louisville at Tennessee	M*A*S*H*	ESPNNews
9:30AM					Mary Tyler Moore	
10:00AM					All in the Family	
10:30AM					The Twilight Zone	
11:00AM	Motorweek	Fox Report	Fox Report	Winter X Games Day 2	Fantasy Island	ESPNNews
11:30AM	Ebert and Roeper					
12:00PM	Ancient Mysteries	This Week	This Week	NCAA Basketball Louisville at Tennessee	Rocket Power	Headline News
12:30PM	Ancient Mysteries				Fairly Oddparents	Wheel of Fortune
1:00PM	Ancient Mysteries				The Simpsons	The Dr. Phil Show
1:30PM	Storytellers	Dateline International	Dateline International	Winter X Games Day 2	The Cosby Show	ESPNNews
2:00PM	Steely Dan	60 Minutes	60 Minutes			
2:30PM	The Civil War Part 8	CNN Presents	CNN Presents	SportsCenter	Buffy the Vampire Slayer	Oprah Winfrey Show
3:00PM					Law and Order	Headline News
3:30PM	WWE Smackdown	Larry King Weekend	Larry King Weekend	NBA Fastbreak	Judge Judy	Critical Rescue
4:00PM	Andromeda	Critical Rescue				
4:30PM	M*A*S*H	At Large with Geraldo Rivera	At Large with Geraldo Rivera	Winter X Games Day 2	Monster Garage	Monster Garage
5:00PM	Window on the Atoll	Access Hollywood	Access Hollywood			
5:30PM	Judging Amy	SportsCenter	Beltway Boys	NBA Fastbreak	Movie: Patriot Games	Movie: Patriot Games
6:00PM	The Wood	Bob Hope Chrysler Classic Final Round	FOX News Watch		SportsCenter	Movie: Patriot Games
6:30PM			Bulls and Bears	Jeopardy		
7:00PM	Headline News	Dateline NBC	Cavuto on Business	Bob Hope Chrysler Classic Final Round	Fairly Oddparents	Headline News
7:30PM			60 Minutes		ESPNNews	
8:00PM	Seinfeld	Dateline NBC	60 Minutes	Bob Hope Chrysler Classic Final Round	The Simpsons	ESPNNews
8:30PM	Meet The Press		61st Annual Golden Globe Awards			
9:00PM	Headline News	Dateline NBC	60 Minutes	Bob Hope Chrysler Classic Final Round	The Cosby Show	Navy/Marine News
9:30PM	Seinfeld		Buffy the Vampire Slayer		61st Annual Golden Globe Awards	
10:00PM	Meet The Press	Dateline NBC	60 Minutes	Bob Hope Chrysler Classic Final Round	Buffy the Vampire Slayer	61st Annual Golden Globe Awards
10:30PM	Seinfeld		Law and Order			
11:00PM	Meet The Press	Dateline NBC	60 Minutes	Bob Hope Chrysler Classic Final Round	Law and Order	61st Annual Golden Globe Awards
11:30PM	Seinfeld					

Tuesday, Jan. 27

Time	Channel 9-AFN Atlantic	Channel 13 - AFN News-Sports	Channel 14 - AFN News	Channel 17 - AFN Sports	Channel 23 - AFN Spectrum	Channel 35 - AFN Direct to Sailors	
12:00AM	Americas Black Forum	Good Morning America	Good Morning America	SportsCenter	Critical Rescue	Golden Globes (continued)	
12:30AM	Entertainment Tonight				Monster Garage	Headline News	
1:00AM							
1:30AM	Headline: News						
2:00AM	Movie: Patriot Games	Headline News	Headline News	NHL Philadelphia Flyers at Washington Capitals	Movie: Patriot Games	Tonight Show with Jay Leno	
2:30AM		World News	World News			Late Show with David Letterman	
3:00AM		Early Show	Early Show			Access Hollywood	
3:30AM							
4:00AM	SportsCenter			SportsCenter	Rocket Power	Movie: The Simple Life of Noah Dearborn	
4:30AM					Fairly Oddparents		
5:00AM			FOX News Live	FOX News Live		The Simpsons	
5:30AM	Bulletin Board			Australian Open Tennis Day 8	The Cosby Show	Movie: Return to Me <:45>	
6:00AM	Good Morning America	60 Minutes	60 Minutes		Buffy the Vampire Slayer		
6:30AM					Law and Order		
7:00AM			Dateline NBC		Dateline NBC		
7:30AM							
8:00AM	Dora: the Explorer	Headline News	Headline News		Critical Rescue	ESPNNews	
8:30AM	Wheel Of Fortune	Inside Politics	Inside Politics			Headline News	
9:00AM	The Dr. Phil Show						Monster Garage
9:30AM	Oprah Winfrey <9:46>	Headline News	Headline News	ESPNNews			
10:00AM		Lester Holt Live	Lester Holt Live	Around the Horn	Movie: Patriot Games		
10:30AM	Guiding Light <10:35>			Pardon the Interruption			
11:00AM	General Hospital<11:17>	Headline News	Headline News	SportsCenter		Bloopers	
11:30AM		NBC Nightly News	NBC Nightly News				
12:00PM	Bulletin Board	NFL Live	ABC World News	NCAA Basketball	Rocket Power	Headline News	
12:30PM	Judge Judy	The Sports Reporters	CBS Evening News	Texas at Texas Tech	Fairly Oddparents	Wheel of Fortune	
1:00PM	The Newshour	NHL	Newshour with Jim Lehrer		The Simpsons	The Dr. Phil Show	
1:30PM		Detroit Red Wings at Dallas Stars	Hannity and Colmes		The Cosby Show		
2:00PM	Sesame Street			Winter Games Day 3	J.A.G.	Oprah Winfrey Show	
2:30PM							
3:00PM	Zoboomafoo		CNBC: The News		The Practice	NBC Nightly News	
3:30PM	Digimon	ESPNNews				Judge Judy	
4:00PM	Dragonfly	Headline News	BET Nightly News	SportsCenter	Celebrity Profiles	Celebrity Profiles	
4:30PM	Even Stevens	ESPNNews	Nightly Business				
5:00PM	Jeopardy	Larry King Live	Larry King Live	NCAA Basketball BYU at New Mexico	Movie: Good Will Hunting	Movie: Good Will Hunting	
5:30PM	Headline News						
6:00PM	Window on the Atoll	Newsnight with Aaron Brown	Newsnight with Aaron Brown				
6:30PM	The Cosby Show						
7:00PM	61st Annual Golden Globe Awards	Paula Zahn Now	Paula Zahn Now	SportsCenter			
7:30PM					Ebert and Roeper	Ebert and Roeper	
8:00PM			Nightline	Nightline	2003 Firefighters	Rocket Power	Jeopardy
8:30PM			Pardon the Interruption	Navy/Marine News	Combat Challenge	Fairly Oddparents	Headline News
9:00PM			Hardball with Chris Matthews	Hardball with Chris Matthews	NFL Total Access	The Simpsons	ESPNNews
9:30PM						The Cosby Show	Headline News
10:00PM		ESPNNews	O'Reilly Factor	O'Reilly Factor	SportsCenter	J.A.G.	Smallville
10:30PM	The Tonight Show						
11:00PM		CNN Daybreak	CNN Daybreak	Australian Open Tennis	The Practice	Movie: Spider-man	
11:30PM	The Late Show			Men's Quarterfinal			

CAFÉ PACIFIC



Lunch

Sat	Keoki's pot roast Taco pizza Vegetarian pizza Chicken peapod stir-fry Grill: Ham and Swiss
Sun	Chicken-fried steak Roasted chicken Eggs Benedict Grill: Brunch station open Roasted top round of beef Chicken pot pie Steamed cod Grill: Brunch station open
Mon	Breaded pork cutlet Local boy chicken stew Vegetarian stir-fry Grill: Monterey turkey melt Smoked barbecued brisket Kung pao chicken Broiled ono Grill: French dip au jus
Tues	Fried chicken Beef tips in Burgundy Grill: Cheese sandwich Maple-glazed pork loin Baked spaghetti Trout Meuniere Grill: Mini taco bar
Wed	
Thur	
Fri	

Dinner

Tonight	Stir-fry to order Teriyaki pork loin Szechuan chicken
Sat	Turkey a la king Chinese pepper steak Broiled red snapper Barbecued roast pork Steamed cod Thai chicken stir-fry
Sun	Pasta bar Italian sausage Eggplant Parmesan Hawaiian huli chicken Five-spice pork roast Korean-style spicy tofu
Mon	London broil Pasta a la pesto Chicken Monterey Chicken and dumplings Baked meatloaf Blackened mahi mahi
Tues	
Wed	
Thur	

HELP WANTED

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

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

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

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

CYS ACTIVITIES ASSISTANT DIRECTOR

CYS HOMEWORK CENTER LEAD

CYS TECHNOLOGY LAB ASSISTANT

MS/TEEN HOMEWORK CENTER ASSISTANT

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

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

TELECOMMUNICATIONS OFFICER, GS-0391-13. Reagan Test Site Directorate for information Management. 24-month overseas tour with transportation and housing agreement. Announcement No. SCBK04614791 at CPOL website. Closes Jan. 27.

GENERAL ENGINEER, GS-0801-15, Reagan Test Site Technical Director. 24-month overseas with transportation and housing agreement. Announcement No. SCBK04614805 at CPOL website. Closes Jan. 27.

PROGRAM COORDINATOR, GS-0301-13, USAKA Directorate for Business Management. 24-month overseas tour with transportation and housing agreement. Announcement No. SCBK04614797 at CPOL website. Closes Feb. 12.

WANTED

FEMALE KEYBOARD player for all girl band. Needs to read music and know classic rock. Call Sheri, 52725.

BICYCLES in reasonably good working order

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

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

FOUND

BIKE abandoned in our backyard. Call Jane, 52379. If not claimed, will be donated to PTO.

PATIO SALES

SATURDAY and MONDAY, Tr. 622.

MONDAY, 7-10 a.m., Dome 161. Toys, children's clothes and shoes, tarp.

MONDAY, 8-11 a.m., Qtrs. 474-A.

FOR SALE

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

KING-SIZE BED, \$275; bed covers; two dresser lamps, \$10; hide-a-bed sofa, \$600; Stradalounger chair, \$90; ladies' recliner, \$200; Sony 27" TV, \$225; Sony VCR, \$60; GE VCR, \$50; entertainment center, \$125; round table with glass, \$10; pole lamp, \$15; kitchen table, \$200; Minolta 35mm camera with lens, filters and case, \$300. Call 54165.

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

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

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

NIKON 6006 SLR with Nikon 35-70mm, Tokina 70-200mm, Tamron 300mm lenses, \$200 or best

Chapel Services

Protestant services:
Kwajalein
Sunday, 8 a.m. and 10:45 a.m.
Roi-Namur Service at 4 p.m.
This week's sermon:
"Your Sins Are Forgiven"

Sunday school for all ages
through adult, 9:15 a.m.,
in the REB.

Catholic services:
Saturday Mass,
5:30 main chapel
Sunday Mass
7 a.m., small chapel
9:15 a.m., main chapel

For more information,
call the Chapel, 53505.

OPERATION FLINTLOCK

Jan. 29-Feb. 4, 1944

The 60th anniversary of the liberation of the Marshall Islands.



Saturday, Jan. 31: Guests arrive and met by color guard, Pipes and Drums and community. Dinner dance at the club, 6 p.m. Tickets \$15. Call Protocol, 54932.

Sunday, Feb. 1: Guests are at Vets' Hall for pupus and live band "SASS."

Monday, Feb. 2: Dedication of Operation Flintlock monument at the flag pole, 6 p.m. Open to public.

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

KRS HEALTH BENEFITS

KRS employees should have received the KRS 2004 Open Enrollment packets in their Post Office boxes. If you did not receive a packet, stop by HR in Building 700, or call Health Benefits immediately, 51888.

34½", two 35½", three 38½", all in white, one 31½" in beige, \$5 each; ScubaPro booties, size medium, blue, \$10. Call 52244, evenings or weekends.

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

EASEL, \$45; drawing desk with chair, \$65; TV antenna, \$5; rice cooker/warmer, \$15. Call 53698.

'96 WAVEVENTURE jet ski 1200cc, three-seater, will pull a wakeboarder with ease, runs perfect, too much to list, \$4,500. For detail and test ride, call 52748 or 53619.

SAFE; exercise equipment. Call 53367, 8 a.m.-4:30 p.m. and 5-9 p.m.

GOLF CLUBS, starter set, bag and hand cart, like new, \$200; Hitachi laptop, \$200. Call 54555 and leave a message.

COMMUNITY NOTICES

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

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

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

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

PCS PARTY for Larry and Patti Newton will be held Saturday, Jan. 24, 6:30 p.m., at Emon Beach main pavilion. Bring a dish to share. Paper products, water and soda provided. BYOB. Questions? Call Paula, 53511.

THE MID-ATOLL flag goes up at 4 p.m., Jan. 24. This is to notify boaters that the mid-atoll is closed. Also, no boats will be allowed north of Bigej pass beginning Jan. 26. Questions? Call Range Safety, 54841.

FLAG IN OPERATION eo enaj walonlok ilo 4:00 jota, Saturday January 24 nan an kalikar ke ekilok mid-corridor. Bareinwot ejelok loon ak waan lojot rej lea ituionin too en ilo Bijeg ijino jen Monday, January 26. Ne elon kajitok jouij im call e lok Range Safety ilo 54841. Komol tata.

MONTHLY ORIENTATION and optional Ebeye Cultural Tour is Wednesday, Jan. 28. To take the



This Valentine's Day, treat your sweetheart to an elegant night under the stars for "Jazz in the Garden," at Kwaj Public Garden. AFE jazz band "Kenney Polson Project," will perform. The evening begins at 6 p.m. Tickets are \$25 per couple. Wine and champagne on a cash basis. Questions? Call Kathy, 53331.

Macy's Gimbel's



**On designated
sale items
Clearance on
selected clothing
and shoes
Through
Jan. 24**

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

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

JUNIOR/SENIOR high school report cards will be mailed home Saturday, Jan. 24.

HEARING SCREENING tests at the junior/senior high school for students in grades 7-12 will be given Jan. 24 and Jan. 31.

KWAJALEIN RUNNING Club's annual Ride-and-Park is Monday, Jan. 26, 5 p.m., at the Atoll Terminal on Ninth Street. No pre-registration, no charge, no awards, just show up by 4:45 p.m. to sign in. Bike helmets are mandatory. Participants must recruit a teammate on their own before signing in. Each participant should be prepared to run six miles and bike six miles. A waiver indicating fitness to do so will have to be signed. Post race refreshments provided by KRC. Questions? Call Bob, 51815.

OPTOMETRIST is on island Feb. 13-24. For an appointment, call 52223 or 52224.

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 may not be used as a method to advertise new merchandise being sold by persons holding commercial activities licenses.

TRACE COUNTY

SPONSORED BY:
AFE
ARMED FORCES ENTERTAINMENT

*Tonight, 6 p.m., Emon Beach
*Tomorrow, 9 p.m., Gilligan's Bar

"Be taken to a place called Trace County"

4-H CLUB

It's not just about cows
and
It's not just about sows

Youth age 8-18 and parents are invited to attend the Kwaj 4-H Youth Kick Off Friday, Jan. 30, 6-7 p.m., in the elementary school music room. Learn about this great program and enroll in current club offerings. Parents or guardians must accompany children. Questions? Call Heather, 53796.

A Friendly Reminder

Privately owned vehicles, including electric scooters are not authorized at USAKA. Anyone using them has a grace period until Feb. 1 to discontinue use. The policies and regulations related to this are being revised to comply with Army policies and current safety requirements. Questions? Call Bert Godlewski, 51905.

Bush: America rising to tasks of history

By Jim Garamone
American Forces Press Service

WASHINGTON — The United States has not come through tragedy, trial and war to falter. Americans are proving the state of the union is strong, and they are “are rising to the tasks of history,” President George W. Bush said in the State of the Union address.

Bush, speaking to both bodies of Congress at the U.S. Capitol, said the government’s greatest responsibility is the active defense of the American people. He said that in the 28 months since the attacks of Sept. 11, there are many who believe the danger is passed.

“That hope is understandable, comforting – and false,” he said. “The killing has continued in Bali, Jakarta, Casablanca, Riyadh, Mombassa, Jerusalem, Istanbul and Baghdad. The terrorists continue to plot against America and the civilized world. And by our will and courage, this danger will be defeated.”

Hundreds of thousands of American servicemen and women are deployed across the world in the war on terror, the president noted, and their efforts make America more secure. Law enforcement and intelligence officials are examining threats and “their vigilance is protecting America.”

Bush said America faces a choice: “We can go forward with confidence and resolve, or we can turn back to the dangerous illusion that terrorists are not plotting and outlaw regimes are no threat to us.”

Bush said the American military is leading the fight on terror. Service members have now captured

or killed two-thirds of the known al Qaeda leaders.

“Thousands of very skilled and determined military personnel are on a manhunt, going after the remaining killers who hide in cities and caves,” the president said. “And, one by one, we will bring the terrorists to justice.”

The United States is also determined to take action against regimes that harbor terrorists or could supply terror groups with weapons of mass destruction, Bush said. “The first to see our determination were the Taliban, who made Afghanistan the primary training base of al Qaeda killers.”

Afghanistan has now agreed to a new constitution, guaranteeing free elections and full participation by women, and with help from the new Afghan National Army, the U.S.-led coalition is operating against surviving members of the Taliban and al Qaeda.

“The men and women of Afghanistan are building a nation that is free and proud and fighting terror – and America is honored to be their friend,” Bush said.

In Iraq there is a similar litany of success. The regime of Saddam Hussein is overthrown and U.S. soldiers captured him hiding in a hole in the ground.

“Having broken the Baathist regime, we face a remnant of violent Saddam supporters,” the president said. “These killers, joined by foreign terrorists, are a serious, continuing danger. Yet we are making progress against them.”

Coalition forces have captured or killed 45 of the 55 most-wanted former regime members. “Our forces

are on the offensive, leading over 1,600 patrols a day, and conducting an average of 180 raids every week,” he said. “We are dealing with these thugs in Iraq, just as surely as we dealt with Saddam Hussein’s evil regime.”

Bush said that building a new Iraq will be hard, but it is worth the effort. In June, the coalition will transition to full Iraqi sovereignty. He vowed that the United States will stand by Iraq as it makes the transition to democracy.

There have been other positive consequences of America’s resolve to win the war on terror, Bush pointed out. In December Libyan leader Moammar Qadhafi voluntarily pledged to disclose and dismantle all of his regime’s weapons of mass destruction programs, including a uranium-enrichment project for nuclear weapons.

“Nine months of intense negotiations involving the United States and Great Britain succeeded with Libya, while 12 years of diplomacy with Iraq did not,” Bush said. “And one reason is clear: For diplomacy to be effective, words must be credible – and no one can now doubt the word of America.”

But different threats require different strategies. The United States is working with nations of the region to get North Korea to dismantle its nuclear program and stop proliferating missile technology. The international community is demanding Iran meet its commitments and not develop nuclear weapons. “America is committed to keeping the world’s most dangerous weapons out of the hands of the world’s most dangerous regimes,” the president said.

Weather

Courtesy of RTS Weather

Tonight: Partly to mostly cloudy with scattered showers.

Winds: Northeast at 15-20 knots with higher gusts near showers.

Tomorrow: Partly to mostly sunny with isolated showers.

Winds: Northeast at 13-17 knots with higher gusts near showers.

Temperature: Tonight’s low 78°
Tomorrow’s high 86°

January rain total: 0.58”

Annual rain total: 0.58”

Annual deviation: -3.05”

Call 54700 for updated forecasts and sea conditions.

Sun • Moon • Tides

	Sunrise/set	Moonrise/set	High Tide	Low Tide
Saturday January 24	0710/1852	0950/2200	0557, 4.8' 1808, 5.9'	1148, 0.6'
Sunday January 25	0710/1853	1031/2248	0632, 4.7' 1841, 5.6'	0032, 0.4' 1224, 0.8'
Monday January 26	0710/1853	1110/2334	0706, 4.6' 1912, 5.2'	0104, 0.6' 1258, 1.1'
Tuesday January 27	0710/1853	1148/	0739, 4.4' 1943, 4.7'	0134, 1.0' 1333, 1.4'