

THE KWAJALEIN HOURGLASS

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

2001: A Range Odyssey

Vision 2015 launches USAKA/KMR into the 21st century

By Jim Bennett
Editor

Kwajalein Modernization and Remoting is only the first step in a future vision of the missile range that includes restructuring the financial side of the house, improving customer service, reducing costs and moving assets stateside.

The idea is outlined in what the command calls Vision 2015, presently laid out in a PowerPoint briefing outlining the goals for the range over the next 15 years. Why 15 years? Command tours last two years each, and the Army allocates budget money through program objective memos set for seven years at a time, said Col. Curtis L. Wrenn Jr., USAKA/KMR commander.

"If a commander is really to be visionary, he or she must look into

the crystal ball well beyond future budget years and ascertain what 'right' looks like and lay out the requisite road map," Wrenn said.



Col. Curtis L. Wrenn
USAKA/KMR commander

In short, the Vision calls for changing the current price structure to better serve customers, setting up a testbed facility for Department of Defense academia and remoting a number of assets to Hawaii or bases in the U.S. in a measure to create a range spanning the entire Pacific Ocean. The ramifications, however, spill into every aspect of the range's life and future.

Last month, Wrenn took Vision 2015 on the road, sharing the briefing with

officials in Washington D.C., the Ballistic Missile Defense Organization and others in an effort to drum up support. The response was mixed, he said.

Houston, we have a problem...

Over the past several years, range costs have escalated, placing increased stress on range users. Consequently, users are challenged to meet the basic costs of their test programs, perhaps even reducing test requirements due to funding.

"The range is so expensive we're chasing customers away," said Lt. Col. Ray Jones, KMR commander. "We're pricing ourselves out of business."

In fact, range costs went up 40-50 percent on some missions in 2000, Jones said. For example, a standard Air Force ICBM mission that was \$5

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Lt. Col. Ray Jones
KMR commander

Cholera outbreak runs its course

By Peter Rejcek
Associate Editor

The initial cholera outbreak on Ebeye appears to be over, according to visiting physicians with the U.S. Centers for Disease Control.

Dr. Mark Beatty and Dr. Sumathi Sivapalasingam, epidemic intelligence service officers with CDC, arrived here last Saturday at the invitation of the Republic of the Marshall Islands Ministry of Health to investigate the source of the disease and offer suggestions on how to prevent a recurrence.

"The outbreak is over," Sivapalasingam said. "It is isolated."

Added Beatty, "It does seem that things are quieting down."

After peaks of about 20 cases per

(See CDC, page 4)

Range opens launch doors to public

By KW Hillis
Feature Writer

The missile launched from Meck was definitely off course. The screen in Building 1010's Flight Safety Control Center verified it was heading directly for Kwajalein. With only seconds to spare, Marcy Peterson at the Flight Safety Officer's terminal wondered if she should push the destruct switch. Her backup, Linda Gentile, pushed the switch instead, ending a simulation during the KMR Open House last Monday.

"I didn't know if I should or shouldn't push the switch," Peterson said. The eighth-grader was disappointed she didn't get to destroy the incoming missile.

The tour of the new KMR Mission

Control Center, ALCOR and MMW consoles and the Range Safety Control Center in Building 1010, along with a tour of the MPS-36 radars, brought out 200 curious residents.

KMR Commander Lt. Col. Raymond Jones and his staff welcomed groups of 20 into the briefing room. A multimedia presentation — music, photos, slides and videos — punctuated his description of Kwajalein and the range's missions.

"We're responsible for the execution of the mission for the Department of Defense and for our country in four mission areas," Jones said. Those areas are Ballistic, Theater and National Missile Defense and the space program. "Each one

(See RANGE, page 4)

'Redeem the Dream': Army family guided by equality

Dr. Martin Luther King Jr. Day is Jan. 15

"I say to you today, my friends, so even though we face the difficulties of today and tomorrow, I still have a dream. It is a dream deeply rooted in the American dream. I have a dream that one day this nation will rise up and live out the true meaning of its creed, 'We hold these truths to be self-evident, that all men are created equal.'"

One of the most poignant messages of our time, Dr. Martin Luther King, Jr.'s "I have a dream" is a message that transcends the centuries and provides a great vision for us to carry into the 21st century and the new millennium.

"I have a dream" is a message that transcends the centuries and provides a great vision for us to carry into the 21st century and the new millennium.



On the advent of the 71st anniversary of the birth of Dr. King, we do well to reflect on the life of this outstanding American and great human being. The theme of this year's celebration is "Redeem the Dream."

Dr. King was a man of extraordinary vision. He saw a world in which every man and woman is allowed to reach his or her full potential, no matter what their skin color. His message was that all people are created equal, and should be treated equally.

As a soldier in the United States Army, I am proud to be a member of an organization that, for many years, has made equality a guiding principle. The Army is a family of men and women who share common missions and goals, and accomplishes them honorably through an *esprit de corps* second to none.

As a member of the USAKA family,

we all can be proud of the role that we play in keeping America and the world free, safe and good through our continued pursuit of excellence through non-racial attitudes, practices and lifestyles. We should also be mindful of our daily relationships, not only with each other, but with the wonderful people of our host nation, our Marshallese friends and neighbors.

Dr. King said, "Human progress is neither automatic nor inevitable. Even a superficial look at history reveals that no social advance rolls in on the wheel of inevitability. Every step toward the goal of justice requires sacrifice, suffering and struggle; the tireless exertions and passionate concern of dedicated individuals."

On Jan. 15 we honor a great man. We honor a great American. We honor Dr. Martin Luther King Jr.

As a soldier in the United States Army, I am proud to be a member of an organization that, for many years, has made equality a guiding principle.

The Kwajalein Hourglass

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Jest for Fun ————— By Ron Tsubamoto



'Daddy' is the best and most important title of all

I have been doing a lot of thinking about children lately.

My boss and his lovely wife are expecting sometime in April, my little niece just got out of the hospital back home after a bad bout of pneumonia and the father-daughter dance is Sunday.

I have only written a couple of columns. I wouldn't call myself a writer. Graphics are really my field. But the columns I have written I've tried to keep on the humorous side.

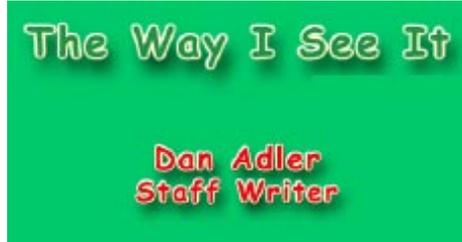
This time though, I want to get serious, and I hope you will bear with me. This will be about having children, and with all due respect to mothers, this is specifically about being a father.

There are three possibilities when a man has children: A. a boy B. a girl C. a combination of the above.

It must be wonderful to have a son. Teaching him to swing a bat, play catch, throw a football, how to be handy with tools, and more importantly, how to have honor, dignity, character, to try hard and persevere, to never quit in the face of adversity, to try hard each and every day. Then at night, whether he's won or life has won, he can sleep because he knows he's done his best. Teaching a boy the things he will need to become a man.

He will eventually go off to college or the service perhaps. He will make his way in the world. He will take a job, marry and have children of his own.

As much as a father loves a son and wants to keep him close, he knows that this is the way of things. A son must go off to live his own life, to make use of the things a father has



taught him and hopes he taught him well. A father can offer counsel and advice if asked, but he knows a son must be independent and apart from him. The son is no longer his "little boy." He is a man. It might be a little easier to let go of a son.

If a father is truly blessed, he will have a daughter or daughters.

There are many "firsts" with a newborn daughter. The first time you hold her, the first time she crawls, the first time she walks. But there will be one first time that will make you her slave forever. The first time she looks into your eyes and calls you 'Daddy.'

To all you fathers out there who have daughters, spend as much time as you can with them. They need you even more than a son does, I think. They need to know what a man really is. That it takes a tough man to be gentle and loving in a world that seems to want to make you anything but. That there's a difference between being a father and being a dad. They're not necessarily the same thing. They need to know that you're the dad type. It is said that daughters marry a man like their father. Let them know a man that bullies and swaggers and is full of himself is not a man at all.

Cherish every time they call you Daddy — even when they do it in

anger or exasperation. Be strong enough to say no when it needs to be said. Love them and protect them as much as you can. Because, while a son reaches a point in life when he is no longer your "little boy," a daughter *never* reaches the point when she is no longer your "little girl." There's an old saying that goes, "A son stops being a son when he takes a wife, a daughter is a daughter all of her life."

So, if you're here on Kwaj or anywhere else with your daughter, take them to that father-daughter dance, take them to their music or dance recital. Cherish every moment you can spend with them. Never take them for granted. Never be too busy for them. Because you are their guiding light, you are the man in their life.

Why do I write this? Why do I give what some would think is pretty presumptuous advice?

I lost my daughter several years ago to illness. It seems like yesterday. She fought an eight-year battle and she was the bravest person I've ever known. She passed away at 24. I usually don't talk about it much, but I wanted to now.

I wish I was an eloquent writer so I could tell you about her. But I couldn't do her justice, so I won't try.

There are many things I miss about my daughter. But the thing I miss most is hearing her voice — hearing her call me daddy.

A man may have many titles in his life: MD, Ph.D., CEO, champion of the world or President of the United States. Most men never have such high-flying titles. But that's OK. You've got the best and most important title of all — Daddy.

Letters to the Editor

Post office employees deliver

We would like to commend the employees of the Post Office for the splendid job they have done this Christmas season, in spite of being shorthanded.

Although several flights were delayed, they stayed open late on Dec. 23 to make sure everyone had a chance to pick up their mail and parcels.

Over the three-day New Year's holiday weekend, they opened for a few hours each day and posted a lot of mail. We really did

appreciate their effort in getting the mail out to us. We also appreciate the great job they have done all year. We are not aware of any piece of mail that has gone missing.

A big thank you to the entire staff.

George & Doris Raymond

Dinner well worth the price

\$80 Dollars?! ... For dinner? ... Well, let me tell everyone: This was one of the best meals I have ever eaten, and yes it was right here on Kwaj in our lovely Yuk Dining Room.

It was fine dining at its best — the ambiance, the wait staff, the decorations and the company were the cause of one of the best New Year's Eve celebrations I have personally ever experienced.

I'd like to say thank you to all of those involved in this effort — you did a great job! I'd also recommend to all Kwaj residents that the next time this opportunity presents itself, take advantage of it. It's definitely worth it.

Christy Perkins

Range tour offers residents hands-on experience ...

(From page 1)

of these is unique in the type of mission scenarios that they perform, and each one requires different functions of our systems."

To a background of reentry vehicles plummeting into the lagoon, RSE Plans and Operations Manager Steve Hill explained how each sensor system worked individually and together to support customers' missions. Describing each sensor system — radars, scoring systems, telemetry systems and optics — Hill used examples to drive home their versatility.

ALTAIR and TRADEX are "big beam" radars. If one of these radars was near Los Angeles, pointed towards Washington D.C., "that beam would spread out and show you everything from the White House to Philadelphia," Hill said. ALCOR or MMW, with narrow or high-resolution beams, "traveling the same distance across the country ... would only show you ... the White House to the Washington monument.

"They are drastically different in characteristics, but they are very complementary," Hill said.

The range has many unique assets, including the only submarine in the Army.

"[It is used] to support lagoon re-



Steve Hill, RSE Plans and Operations manager, talks about the range and its operations to tour groups Monday at Building 1010.

(Photo by KW Hillis)

covery operations ... to maintain the submarine fiber optics that connects all the islands for communication purposes," Hill said.

Ushered into the ALCOR Control Room, visitors volunteered to be operators for a reentry mission of a missile launched from Vandenberg Air Force Base.

Kevin Cohen, acting as test director, walked visitors through a scenario involving ALCOR acquiring five objects coming over its horizon. From confirming reentry vehicle deployment to collecting data on each ob-

ject, the hands-on exercise engaged the entire group.

A tour of the new KMR Mission Control Center followed. Then just before touring the MPS-36 radars, the group was shown into the uncompleted Range Safety Control Center.

Each piece of equipment and each person has at least one complete backup, said Michael Butler, Range Safety engineer, starting the destruct simulation. "What we are charged to do if that missile goes off course ... we terminate ... If you hit that button ... you have a lot of explaining to do."

CDC doctors to help equip Ebeye Hospital for early detection ...

(From page 1)

day of patients who appeared to have cholera-like symptoms, Ebeye Hospital is seeing just a trickle of cases — about one every couple of days. Some of those, Beatty noted, might just be normal diarrheal illness.

Both doctors credited Ebeye Hospital officials for taking notice early on in the changes of diarrheal cases coming through the doors. Sivapalasingam explained that normal diarrhea usually affects children, but more adults had come in with symptoms that indicated cholera. Officials started getting the health message out as early as possible.

Six deaths have been blamed on the illness.

"It could have been much worse," Sivapalasingam said.

While the initial outbreak is over,

Beatty said isolated cases could continue for months, if not for the next year. He said the chance for another outbreak is unlikely as long as proper precautions are taken — such as regular hand-washing — education is stressed and improvements are made to sanitation. Both doctors said an outbreak on Kwaj is also unlikely given its public health precautions and sanitation system.

"What has been done, is the right thing to do," Beatty said of efforts to contain the disease.

Sivapalasingam explained that to contract cholera, one must be exposed to a high dose of the bacteria. "The likelihood of getting cholera is very low."

The doctors are focusing their four-week visit on trying to determine the origins of the disease, as well as

equipping Ebeye Hospital with the tools necessary to test for cholera locally. Detective work on the former includes interviewing community members to determine what behaviors predisposed a person to get the disease.

Sivapalasingam said their report, which will be turned over to the RMI government before they leave, may not be conclusive. She said the disease could have been transported via ship or transmitted through a human carrier or food.

Despite the fatalities, both doctors emphasized the disease has a low mortality rate when fluids are administered immediately. The severe diarrhea caused by cholera causes a patient to dehydrate.

"It can be easily treated if it's treated early," Beatty said.

Martin Luther King Jr.

Holiday Hours - Tuesday, Jan. 16

Unless otherwise noted, Monday and Wednesday hours are normal operating hours

KWAJALEIN

Community Activities

Beaches

Coral Sands Buddy system at all times
 Camp Hamilton Buddy system at all times
 Emon 11 a.m.-6 p.m.
 Monday 11 a.m.-4 p.m.

Bowling Center Regular
 Monday 1-4 p.m.

CRC Gym/racquetball 11 a.m.-9 p.m.
 Monday 7:30 a.m.-4 p.m.

Gear Locker Regular
 Monday 1-4 p.m.

Golf course Sunrise to sunset
 Golf Pro Shop 6:30 a.m.-5 p.m.

Hobby Shop 12:30-6 p.m.
 Wednesday Closed

Ivey Gym 8-11a.m.; 2-7 p.m.
 Monday 8-11 a.m.; 2-7 p.m.

Library 1-7 p.m.
 Monday 1-4 p.m.
 Wednesday Closed

Photo Lab Closed

Pools

Adult Buddy system at all times
 Family 12-6 p.m.

Small Boat Marina 8 a.m.-6 p.m.
 Wednesday, Thursday Closed

UPRC 10 a.m.-10 p.m.
 Monday 10 a.m.-11 p.m.

Youth Center Closed
 Monday 3-5:30 p.m.; 7-11 p.m.

Skatepark 3:30-6:30 p.m.
 Monday 3:30-8 p.m.

Hourglass Closed; publishes Wednesday

Food Services

Yokwe Yuk Club Dining (food) Closed
 Gilligan's (bar) Closed

Three Palms Snack Bar 11 a.m.-9 p.m.
 Delivery 4:30-9 p.m.
 Tuesday 11 a.m.-9 p.m.

Sunrise Bakery 7-11a.m.
 Oceanview Bar 12:30-11 p.m.
 Monday 12-11 p.m.

Country Club Bar 6:30 a.m.-5 p.m.

DSC Snack Bar (checkpoint) Closed

Enra Food Truck Closed

Café Pacific

Breakfast 7-9 a.m.
 Brunch 10:30 a.m.-12:30 p.m.
 Dinner 4:30-6:30 p.m.

Merchandising

Macy's and Macy's West 10 a.m.-2 p.m.
 Surfway Closed

Ten-Ten 10 a.m.-8 p.m.
 Laundry Closed

Beauty/barber shops Closed

Tape Escape 11 a.m.-7:30 p.m.
 Continental Travel Agency Closed

Bank of Guam Closed

Post Office Closed

Hospital/Dental Services Emergencies only
 Sick call Wednesday ... 8-10:30 a.m.; 1-3:30 p.m.

ROI-NAMUR

Gimbel's 10 a.m.-2 p.m.
 Tape Escape 3-6 p.m.

Community Activities

Gear Locker Call for checkout
 Golf Course Sunrise to Sunset
 Hobby Shop Closed

Library Closed
 Small Boat Marina Closed

Post Office Closed
 Bank of Guam Closed

Food Services

Outrigger Bar 5-11 p.m.
 Outrigger Snack Bar 5:30-9:30 p.m.
 Café Roi Sunday Hours



(Photo by KW Hillis)

Dick Pratt, *Mystic* captain, inspects the tire wedged in between the port propeller and the nozzle of the tug *Chinook* on Monday. The tire damaged the transmission and caused a fire in the engine room during a supply run to Ebeye last Friday.

Six-foot tire brings barge supply run to halt

By KW Hillis
 Feature Writer

Like a huge piece of black bubblegum — twisted and wedged between the nozzle and the propeller of the tug *Chinook* — the six-foot gummed up Matson's supply run and made for a sticky weekend for the Marine Department.

As the Souse Bros. tug prepared to dock at Ebeye on the last stop of their supply run last Friday, the tire, which was in the water near the pier, became jammed in the port screw.

"It was pretty exciting," said Drake Bondi, *Chinook's* captain. "We broke the clutch ... tore that up. Going round and round with that rubber, it caught on fire. It got hot enough, it melted the metal."

With only one line secured to Ebeye's dock, not only was the smoke and fire an immediate problem, but the barge was in danger of drifting.

"The *Mystic* crew was fantastic," Bondi said. "They went ahead and finished docking the barge ... they had firefighting equipment available for us ... they didn't get excited."

The *Mystic* sent over three fire extinguishers to help, but focused on the barge.

"No point in having the tug on fire

and the barge drifting out," said Dick Pratt, *Mystic* captain, adding that seawater was used to cool the metal so it wouldn't restart the fire. "It could have been a super disaster instead of a big inconvenience."

This is the second time in a year that a tire near Ebeye pier became entangled in the *Chinook's* propeller. Last March, the Marine department divers were able to remove the tire, said Bob Babcock, Marine Services port captain. This time, the tire was wedged too tight, so a dry dock was planned.

"Normally a dry dock is planned out over a period of six to 12 months," Babcock said. "The uniqueness is, it is not one of our vessels."

By 3:30 p.m. Monday, the 850-ton *Chinook* sat high and dry — the twisted tire visibly riddled with burns and cut marks from the divers efforts.

"This is the smoothest drydocking I've every had," Bondi said, explaining that the whole propeller and shaft would have to be pulled back to remove the tire.

Even with the transmission damage, the fire and the time lost, Bondi was so thankful for "the support we're getting from everyone at Kwaj — [that] this is a wonderful experience."

2001: A Range Odyssey

Business to take different shape at USAKA/KMR ...

(From page 1)

million is now around \$10 million, and the Air Force sets its budgets on a seven-year time frame, too, meaning they didn't plan for the increase either. Thus, instead of one Peacekeeper and three Minutemen missions every year, as is the current arrangement, the range could find itself performing less ICBM mission work.

National Missile Defense, perhaps the largest range customer, is scheduled to continue testing for several years; however, they are turning more and more to computer simulations rather than the more expensive flight tests.

"Some day, we will be validating systems in a virtual world," Wrenn said. "Computer simulation models will replace traditional testing. If an NMD system is deployed by 2008, much of the follow-on testing could be done in a virtual reality."

According to *Inside Missile Defense*, Boeing, NMD lead system integrator, has designed a simulation system and will release a new version in September. The simulation program uses data from the IFTs and ground tests to validate the overall system.

Likewise, a new satellite system, set to launch in the 2004-06 timeframe, could cut into Kwajalein's space-tracking mission. The satellites would monitor new foreign launches, much in the same way as KREMS radars currently operate.

On the upshot, Theater High Altitude Air Defense, or THAAD, may begin testing at Kwajalein in the next few years, along with the Patriot missile system, or PAC3. Work may also continue with the Tropical Rainfall Measurements Mission, or TRMM.

Other potential customers include the Upgrade Early Warning Network. Built originally in 1972, the Early Warning Network is scheduled for a refit, and since ALTAIR mimics the radars that system uses, the range could validate the new system.

Would you like TRADEX with that?

And so, the KMR future lies in keeping current customers by offering

more for less, as well as finding new customers, Wrenn said.

"Our focus is on retention of our customers and offering best value to our customers," Wrenn said.

How?

First, cutting costs.

"Everyone's going to have to make hard decisions," Jones said. "We're going to be looking across the board at what we can do more efficiently."

Second, changing price strategies.

Currently, the range prices missions "a la carte," meaning a customer who wants data from MMW and ALTAIR, but not necessarily ALCOR or TRADEX, pays only for the radars they require.

According to Wrenn the range has a fixed cost in people and equipment.

"It behooves us to operate all sensors and provide the associated data in conjunction with every mission," Wrenn said.

Center of testing

Next, the range will be looking to expand its customer base.

Already, the TRMM project in 1999, and again in 2000, proved to be a successful fit of high-tech radar monitoring equipment and academia from universities from around the country. Jumping off from that success, the range would like to establish the Center for Scientific Excellence. The CSE would create a partnership with universities that would use the range for testing and research.

"It becomes a question of balancing missions, research and maintenance," Jones said.

The CSE plan received enthusiastic support during Wrenn's trip and could be operating by the end of this year, he said.

Reinventing the range

While bringing new customers to Kwajalein, the range also hopes to send more assets back to the states. With the success of the KMAR project — remoting radars from Roi-Namur to Kwajalein — Wrenn and Jones said the range may develop a much larger remoting project that would move command and control to another location.

"Think of moving KMCC to Hawaii or CONUS," Jones said. "You reduce the contingent here and the cost."

Wrenn suggested the Army Space Command headquarters in Colorado Springs as an example of a possible relocation site. On the other hand, data collection would remain here because of the unique location — the clear airspace and over-the-horizon target area for reentry mission work. The ability to move the data stateside is currently stretched to the limit; however, the range is looking into ways to increase bandwidths for communications.

The main cost benefit would be a net reduction of logistical needs due to the reduction of personnel, mostly degreed engineers and scientists who, with real-time data feeds, could perform control functions stateside, Wrenn said.

The number of radar technicians may increase to maintain the radars. Wrenn added that one simply can't reduce the number of logistics personnel on a one-to-one basis with mission personnel.

"If you have one guy out here, you still have to have a barge come out here. You still have to have a place to eat and some entertainment," he said, noting the ratio for reduction is somewhere around 20 mission workers to every logistics worker.

The number of short-term TDY "campaigns" for particular missions would increase, too, Jones said.

"The more ops you move off the island, the more money you save," Wrenn concluded.

Ultimately, through a partnering arrangement with Pacific Missile Range, Wake Island, Alaskan radars and Vandenberg Air Force Base, Wrenn and Jones envision a Pan-Pacific Range that encompasses the entire ocean between Kwajalein and California. Under the vision, each range would maintain its own identity and command structure, but rather than compete against each other for business, would work together to support missions in a generally partnering concept.



(File photo)

Vision 2015 hopes to increase missions such as this Peacekeeper ballistic missile test last March. USAKA/KMR officials are taking steps to ensure the range is cost effective and viable in the future.

Tearing down and building up

For the short term, that means as assets are removed, the need for new, expensive construction and renovation projects goes down, and the island will see little of either in 2001, Wrenn said.

Construction costs run 2.3 times that of a similar project in the states because of the logistics of moving both people and supplies to the island. Furthermore, Congress must approve new construction projects, though USAKA can pay for renovation work out of the command's budget.

The colonel has already suspended renovation of the intra-atoll terminal building, along with other airport buildings. In the meantime, the command is looking for cheaper fixes, such as prefabricated structures for the airport.

Renovations to Old Housing — which cost approximately \$176,000 per unit, and add a bathroom and modernized kitchen, along with installing new windows and doors — have been stopped temporarily as the command reviews this project.

Work on the Reef BQ should be completed in February at a cost of \$133,000 a room. Renovations for the Ocean and Pacific BQs are pro-

jected at \$140,000 per room. Those plans are on the shelf while the command explores other alternatives. Again, one possibility is prefabricated structures such as trailers. "You can buy new trailers every 10 to 12 years for a lot less," Wrenn said.

Another possibility is dome housing, which could replace trailers.

On the other hand, a \$2.3 million project to fix the water plant has been approved, and another \$12 million project to build a new cold storage warehouse has survived the Congressional budget process thus far.

The command has another \$18.5 million to spend on housing, but hasn't determined whether to continue with renovation of old housing, shift to maintenance and repair or purchase new housing, such as domes or trailers.

"We're exploring all the possibilities," Wrenn said. "We have to ascertain what 'right' looks like."

Wrenn added he would like to piggyback needed renovation work with new construction project bids in an effort to keep costs down. Since construction firms have to spend a lot to ramp up for a given project, such as the cold storage warehouse, addi-

tional work won't cost as much, he said.

New Year's resolutions

So, next year could see major shifts in direction for the range. The Vision will be put into a plan format by July, Jones said. At that time, Jones is scheduled to PCS with a change of command ceremony.

"It will be hard to hand off this project," Jones said.

Plus, with the Department of the Army rotation policy of five years, the range will lose several DA civilians, who will be replaced by new staff.

"The fresh blood can be good," Jones said, adding that losing the experience of those leaving is hard, too.

In the meantime, Jones will continue standing up Individual Project Teams, or IPTs, centered on each of the range's missions — Space, ICBMs, NMD and TMD.

Customers will meet with representatives from each department that has a stake in the project. The team, led by the test director, will then hash out issues and concerns. Jones said the approach shows that the range is concerned about the mission, that as a group they can brainstorm ideas and everyone understands issues. The process began in August at the range and will expand throughout USAKA over the year.

Meanwhile, the range will conduct tests throughout the year, as well, including four Air Force ICBM missions, a TCMP mission and some NMD work. Three missions are scheduled for February, making the second month a very busy time.

Vision or no Vision, KMAR will continue in 2001. A fully remoted ALCOR is set to participate in February's missions. ALTAIR will remain in maintenance mode, while TRADEX will remain online. In fact, TRADEX scored its first New Foreign Launch track Dec. 21.

"They're one for one," Jones said.

Outside the range, Compact of Free Association talks will continue with the RMI, and much of the Vision could affect details within those talks, Wrenn said. That means the colonel will try to sell the Vision on the island, in Majuro and in the U.S.

Said Wrenn, "If we're successful, this time next year we'll see an increase budget-wise."

New Books

at

**Grace Sherwood Library****McNaughton Fiction***In a Heartbeat* by

Elizabeth Adler

Eye of the Storm by

V.C. Andrews

To Cut a Long Story Short

by Jeffrey Archer

Wish You Well by

David Baldacci

Hit List by Lawrence Block*Killing Time: A Novel of the**Future* by Caleb Carr*Abduction* by Robin Cook*Sharpe's Fortress* by Bernard

Cornwell

Sugarplum Dead by

Carolyn Hart

*The Mark: The Beast Rules**the World* by Tim LaHaye*Roses are Red* by James

Patterson

*The Truth: A Novel of**Discworld* by Terry

Pratchett

Notorious by

Katherine Sutcliffe

*Licks of Love: Short Stories**and a Sequel* by

John Updike

McNaughton Nonfiction*America's Queen: The Life of**Jacqueline Kennedy**Onassis* by Sarah

Bradford

Julia's Kitchen Wisdom by

Julia Childs

*The Last Amateurs: Playing**for Glory and Honor* by

John Feinstein

Communion with God by

Neale Donald Walsch

Hooking Up by Tom Wolfe*Maestro: Greenspan's FED**and the American Boom*

by Bob Woodward

Reference*Janes' Fighting Aircraft of**World War II*

by Janes, ed.

Regular Collection - Nonfiction*How to Design a Home-School**Curriculum* by Rebecca

Rupp



(File photo)

Several major changes in the 1900D flight schedule are going into effect Thursday. See the insert in today's paper.

1900D flight schedule to change

Weekend, late night planes scaled back

By Barbara Johnson

Feature Writer

Several major changes to the 1900D flight schedule will take effect Thursday, according to Aviation Department officials. Flight times for weekday commuter planes, Wednesday and Saturday night flights and Sunday flights have been modified. All updated flight times are shown on the new schedule insert in today's paper.

Beginning Jan. 18, the first two and second two weekday flights, both at Kwaj and Roi, will close out at the same time. The first two return flights from Roi, beginning at 3 p.m., will also close out at the same time. The second flights will leave a few minutes after the first.

"We were using too much manpower," said Vicki Santucci, RSE airport services agent. "We wanted to cut down expenses and give the same service."

On Sundays, two flights, instead of four, will fly between Kwaj and Roi: a 10:25 a.m. flight, which will return to Kwaj at 12 noon, and a 3:55 p.m. flight, which will return at 5:30 p.m.

No changes are being made to Monday's flights.

The third major change is for the Wednesday and Saturday late night flights, which now will return to Roi from Kwaj at 6:15 p.m.

"Traffic didn't support the late flights," Santucci said.

"Changes in the flight schedule reflect seat usage," said Lott Lawson, manager of Aviation Services. "With the cost of operations, we had to make some hard decisions that affect utilization of the aircraft."

Between Oct. 15, when the 1900Ds began flying, and Jan. 9, the department has been monitoring each flight to find out how many passengers it is carrying and who is flying, Lawson said.

In the past year, the planes have moved 86,000 passengers round trip between Kwaj and Roi, he said. The 1900Ds have averaged 7,000 passengers per month.

As always, flights will be added as needed for special events, such as an upcoming golf tournament on Roi.

"It's important with reduced flights and limited seating that you have reservations," said Joe Johnston, acting deputy aviation manager.

To make reservations call Faith Fullerton at 56359 (5-6FLY).

GOP lawmakers: Bush plans 'quick' review of NMD

(*Defense Daily*, Jan. 4, 2001) The incoming Bush administration plans to conduct a quick internal review of the Pentagon's National Missile Defense program and then reveal a plan overhauling the current ground-based system approach to include sea and space components, several GOP lawmakers told *Defense Daily* yesterday.

"You will see a phased, layered plan and a reconfigured plan for the ground-based program with land, sea and space components," Sen. Jon Kyl (R-AZ), a top Senate advocate for NMD, said.

The new revised ground-based NMD program will emerge because "the Clinton plan is not adequate," Kyl added.

The new plans for NMD likely will be discussed to some extent at an upcoming confirmation hearing for Donald Rumsfeld as defense secretary, senators said.

That confirmation hearing could be held as early as next week.

Sen. James Inhofe (R-OK), another SASC member and strong NMD advocate, said he expects the Bush Administration review to be a quick process.

President Clinton signed into law direction from Congress to deploy a system as soon as technologically feasible, and the Bush administration will do that, he added.

"President Clinton signed NMD deployment into law and then ignored it, while the new administration will move ahead," Inhofe said.

Inhofe noted he favors the sea-based approach to NMD for a near-term capability because he believes it would be quicker and cheaper than the current plan. Inhofe said he is confident Rumsfeld will adopt this approach within the overall plan for the NMD program.

Sen. John McCain (R-Ariz.), another SASC member, said he is certain that Rumsfeld will take a very careful and thoughtful approach to missile defense.

While it remains to be seen what specific changes Rumsfeld will bring to the NMD effort, industry and Hill officials agree his views will be met



with more acceptance than efforts by the Clinton national security team over the past few years.

"I am very excited about the selection of Donald Rumsfeld because he supports a strong missile defense and is going to take a look at everything, the successes and failures," [Sen. Robert] Smith (R-NH) said.

"I support the combination of land, sea and space where you have overlap to get the coverage you need."

Next NMD test to be held between March and June, says report

(*New York Times*, Jan 9, 2001) President-elect George W. Bush summoned senior lawmakers from both parties in Congress here today to inaugurate a campaign to build bipartisan support for his two top defense goals: modernizing America's armed forces and fielding an expansive national missile defense.

He strongly advocated moving ahead with a missile defense, even as he acknowledged the opposition to a system at home and abroad.

Bush said, "I think it's our obligation to do everything we can to protect America and our allies from the real threats of the 21st century."

If Bush decides against starting construction soon, the system will face at least a year's delay.

A decision to move ahead with the construction of the radar at Shemya would not necessarily violate the ABM Treaty of 1972 right away, since workers would not pour concrete for the site until next year. But moving ahead with initial construction will almost certainly face criticism, not only by

Russia and China, but some of the NATO allies, confronting the new administration with a significant diplomatic challenge in its infancy.

After the failure of its last test in July, the organization has delayed the next test until sometime between March and June, making it unlikely a test could be completed and evaluated before the March decision. A second test of the system is expected in the fall.

Rumsfeld's job begins at confirmation hearings

(*Force Times*, Jan. 15, 2001) Donald Rumsfeld is expected to face little opposition during his Senate confirmation hearing.

Rumsfeld is expected to request extra money immediately to cover shortages being reported by all the services, then come up with a separate and larger request to increase the 2002 defense budget, according to Sen. John Warner (R-VA).

If Congress and the Pentagon stick to their traditional schedule, the supplemental budget request would be delivered to Congress by early March but not approved by lawmakers until about June.

How Rumsfeld intends to implement Bush's defense plans will be a subject of the hearings, according to Warner. The SASC staff has prepared questions for Rumsfeld that Warner said "draw heavily" from a September 1999 speech at The Citadel in South Carolina in which Bush laid out his defense strategy.

In The Citadel speech, Bush said his first goal for the military is to order an immediate review of overseas deployments, while his second goal is to improve defenses against terrorism and the spreading weapons technology, which includes building a national missile defense system.

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Soccer season 2000



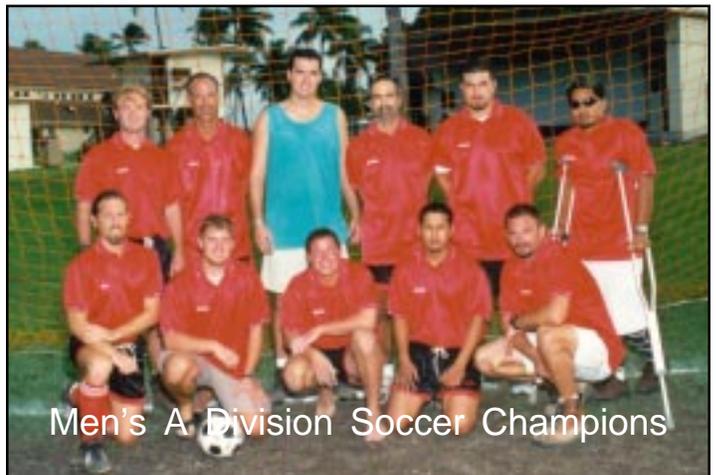
Women's A Division Soccer Champions

Play On: (front) Wanda Hardin, Lee Allas, Anne Fowler, Susu Sasano, Angie Dickson, Elizabeth Tevault, (back) Debbie Thomas, Sheri Bezzek, Simone Smead, Karen Seitz, Ann Cohen, Shaunna Fleming, Cheri Malloy, Amber Morse, Amy Butz. Not pictured: Jane Premo, Kathy Beal.



Women's B Division Soccer Champions

Spartans Green: (front) Christina Padayhag, Sara Barrs, Michelle Whittle-Stanley, Kellie Leverett, Aimee Estes, (back) Coach Lee Allas, Emily Alves, Lauren Peters, Jessie Brown, Sarah Alves, Lisa Barbella, Camilla Morrison, Anna Alves, Leslie-Anna Curtiss, Coach Will Pierre-Mike, .



Men's A Division Soccer Champions

Locals: (front) Karl Pletcher, Kevin Barnes, Fred Cunningham, S. Wiehe, Scott Wallace, (back) Steve Fuchs, Stan Jazwinski, Phil Malloy, Riri Khamsi, Kenny Leines, Tony Smith, . Not pictured: Tom Roko, Wise Roko, D. Wiehe, Jim Peay, Steven Williams, Fred McKeen, Matt Hatfield, Mike Potts, Josh Trandall.



Men's B Division Soccer Champions

Spartans I: (front) Spencer Mawhar, Jon Ching, Paul Mawhar, Max Cohen, Tanner Duncan, (back) Jacob Olson, Misha Pierre-Mike, Shaun MacDonald, Brendan Greene, Rusty Baker, Mike Wiley, Coach Kenny Leines. Not pictured: Austin Long, Nathan Holzrichter, Jon Dufur, Floyd Corder.



Men's C Division Soccer Champions

Who's Your Daddy: (front) Raj Setty, Peter Rejcek, Ed Harris, Ben Bader, (back) Rodney Alley, Mikel Patik, Andy Paulson, John Eggert, Sean Kelly. Not pictured: Kenny Davis, Bill Clarstrom, Barry Renwick, Hal Stallwood, Jeff Jones, Brian Hinkle, Andy Riter, David Bustamante, Jim Roby, Dave Moulton, CJ Sorensen.

See you at the movies!

Saturday

Fly Away Home (PG, 1996)

A 13-year-old, Amy, moves in with her estranged father following the tragic death of her mother. At first unhappy with the move, Amy finds a nestful of eggs that she cares for and that eventually hatch into a flock of Canada Geese. She teaches the birds how to fly South and they bring her closer to her dad. (Jeff Daniels, Anna Paquin) (106 minutes)

Richardson Theater, 7:30 p.m.

The Wonder Boys (New Release, R)

Middle-aged college professor Grady Tripp has just gotten through his third divorce, is involved with a married woman while fighting off the advances of a student, and to top it off, he's got writer's block. Meanwhile, one of his male students is obsessed with finding a jacket once owned by Marilyn Monroe. (Michael Douglas, Tobey Maguire, Robert Downey Jr., Rip Torn) (112 minutes)

Yokwe Yuk Theater, 8 p.m.

I Dreamed of Africa (New Release, PG-13)

The film is based on the life and work of Kuki Gallmann, who, with her husband, Paolo, builds a ranch in Africa and develops a passionate interest in protecting the endangered wildlife of the region. Africa shows its dark side when Paolo is killed and Kuki must fend for herself and her two children in this spectacular but unforgiving landscape. (Kim Basinger, Vincent Perez) (114 minutes)

Tradewinds Theater, 8 p.m.

Sunday

I Dreamed of Africa (New Release, PG-13)

Richardson Theater, 7:30 p.m.

The Wonder Boys (New Release, R)

Tradewinds Theater, 7:30 p.m.

Fly Away Home (PG, 1996)

Tradewinds Theater, 9:30 p.m.

Monday

I Dreamed of Africa (New Release, PG-13)

Richardson Theater 7:30 p.m.

The Wonder Boys (New Release, R)

Yokwe Yuk Theater, 8 p.m.

Families return to renovated homes

By Peter Rejcek

Associate Editor

The Bakers' 15-year-old son moved back into the family's three-bedroom house a day earlier than scheduled. That's how impatient he was to get out of the cramped quarters of a temporary trailer after six months.

"It's like living in a new house," said Karin Baker, as she scurried from room to room at Qtrs. 460-B last Saturday, trying to make up her mind where to put what, as furniture and boxes arrived. "It looks like a new house. It smells like a new house."

More than 40 years old, the unit is hardly new, but a lot of what's been added to it, and three others at Qtrs. 460 and 462, is.

The list includes a new roof, central air conditioning, new plumbing and sewer lines, all new kitchen appliances, new cabinets, a patio cover, new carpets, new exterior doors and windows, bathroom additions, electrical wiring and patio fencing.

"All the modern conveniences," said Jerry Geronimo, project manager. "This is a lot of work."

The four units were to be the first ones modernized in a seven-year, \$20 million project to rehabilitate old housing. Where that project now stands, however, is unknown as the command reviews its housing priorities. The price tag for the renovation is reportedly one concern, as the project costs were based on 1996 renovations to housing units oceanside, according to Geronimo.



(Photo by Peter Rejcek)

Karin Baker hangs new shower curtains in her newly renovated and enlarged master bedroom bath.

He said FOM currently has enough materials on hand to renovate six more units. And with the experience his crew gained with the recent renovations, Geronimo said the costs would go down.

"We learned a lot about this building," he said. "The more you do, the better you get."

No one is complaining at the Baker household.

"This is fantastic," said Guy Baker.

**What's playing?
Call the Movie Hotline at 52700.**

WEATHER
Courtesy of Aeromet



Sun • Moon • Tides



Tonight: Partly cloudy with isolated showers.
Winds: Northeast to east-northeast at 15 to 20 knots, with higher gusts near showers.
Tomorrow: Partly to mostly sunny with isolated showers.
Winds: Northeast to east-northeast at 15 to 25 knots and gusty.
Temperature: Tonight's low 79°
Tomorrow's high 85°
January rain total: 0.56"
Annual rain total: 0.56"
Annual deviation: -0.94"
Call 54700 for continuously updated forecasts and sea conditions.

	Sunrise/set	Moonrise/set	High Tide	Low Tide
Saturday January 13	0708/1848	2217/1004	0637, 4.7' 1849, 5.7'	0037, 0.2' 1227, 0.7'
Sunday January 14	0708/1848	2312/1054	0720, 4.5' 1930, 5.2'	0118, 0.5' 1311, 1.0'
Monday January 15	0708/1849	/1141	0807, 4.2' 2015, 4.6'	0200, 0.9' 1359, 1.5'
Tuesday January 16	0709/1849	0005/1225	0902, 4.0' 2109, 4.1'	0246, 1.3' 1458, 1.9'