

THE KWAJALEIN HOURGLASS

Volume 42, Number 22

Tuesday, March 19, 2002

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

THE HAT TRICK

IFT-8 scores third straight intercept for GMD program

By Peter Rejcek
Associate Editor

The Ground-based Midcourse Defense program scored a hat trick Saturday afternoon (local time), propelling the deployment of a national missile defense yet another step forward.

The third successive and successful intercept in less than a year, four total in the program's short life, doesn't mean exoatmospheric missile testing is becoming routine or easier, according to one of the program's top brass.

"We never approach this as routine," said Col. Earl Sutton, deputy director of the Combined Test Force, or CTF. "The team builds on every test."

While there may be nothing routine in colliding two haystack needles in the near infinite backdrop of space, about 140 miles up, the steps involved in getting there are well rehearsed by now. That routine has led to shorter preparation times before the launch, and on Saturday it equated to what Sutton called "the smoothest test

(See IFT, page 4)



The EKV launches from Meck Saturday afternoon.

(Photo courtesy of RT'S Photo Lab)

Families take 'virtual' trip to mission operation

By Jim Bennett
Editor

Sheila McMurray had enough nerves for herself and her mission director husband, Darrell, Saturday. Sometimes she covered her eyes in anticipation or gave a sigh of relief every time she heard her husband calmly announce over the mission network that something was "nominal."

McMurray, her 10-year-old son, Adam, and other family and friends of mission participants camped out at the Ground-based Midcourse Defense Segment office at Building 1009, where a virtual control room offers visitors ev-

ery unclassified view the mission has to offer.

"It was very exciting," she said.

But it wasn't always that way. For years, Darrell would simply go do a mission while Sheila and Adam had to wait for the afternoon phone call or the evening when he returned home to hear how it went.

"We get to see where we're losing our dad and our husband to," Sheila said. "We're launch widows."

"It's a lot of hard work, long nights, meetings," said Delsie Hill. She ought to know. For years her husband performed the same kind of mission-direct-

ing work before becoming the GMD site manager at Kwajalein. She had never heard her husband's voice during a mission until IFT-1, in 1997, when the program offered spouses a chance to hear unclassified transmissions.

The virtual control room, however, opened its doors during IFT-6 last July and has remained open for missions ever since, and it gives people a full, multi-media presentation compared to the radio traffic Hill heard in 1997. The conference room/theater centers around a 12-foot screen on which viewers can see the launch at Vandenberg

(See TECHNOLOGY, page 5)

Editorial

There you go again — supporting the customer!

Ladies and gentlemen, I thought we could not top the support this workforce gave to the customer last December for IFT-7, but you did it again. And, when I say "you," I refer to the entire community.

In conversation with Brig. Gen. (P) Holly, the GMD program director; Mr. Holmes, his deputy; and Mr. Medlin, Boeing's senior representative, all three told me they are impressed with every facet of support you provided to their program.

Through a solid partnership involving the program, government and all of our contract partners, we were able to take the requirements, and develop and execute that plan in an almost flawless



manner.

My hat is off each of you, and I thank you for your support and your "can do" attitude. I don't want us to be too quick to bask in the sun or pat ourselves on the back, though. For some time, I've tried to reinforce the fact that we have a number of missions between now and

August.

And, we're off to a great start. It behooves us to stop long enough to conduct after-action reviews, to share lessons learned, and to empower those at the point of execution to fix things or to make improvements.

Our next mission is a series of tests that entails over 300 TDY personnel on this island, and we will have 300-plus extra people on island through early May. These are the folks who pay the bills and we need to take care of them. Whatever they ask — as long as it's legal, ethical and moral — give it to them!

Again, thank you for your support and hard work. I know you're with me. *Hooah!*

Letters to the Editor

Editor's Note: SMDC's John Yim previously served in the 101st Air Assault Division's 187th Infantry Regiment, nicknamed "Rakkasan" the Japanese word for paratroopers. They earned the nickname as they were the first foreign army unit to occupy Japan after it surrendered to the Allies at the end of World War II, according to Yim. Yim's old regiment is now in Afghanistan and he has asked that we print the addresses for the units with the intention that you might want to write a soldier. "It would be

a good morale booster when the soldiers of the 187th Infantry Regiment in Afghanistan receive letters from your readers in the South Pacific half way around the world," writes Yim.

So here goes, and say "Hi" to a new pen pal on the front line.

Address for 1st Battalion:

Rank Name (of any soldier)/
____ Company, 1-187 INF /APOAE 09351.

Or you may address it to all the soldiers in 1st Battalion, 187th Infantry Regiment through its Battalion Commander: LTC Ron Corkran/Battalion Commander, 1-187 IN / APO AE 09351.

Similarly, for 2nd Battalion:

Rank Name (of any soldier)/
____ Company, 2-187 INF /APOAE 09351.

Or you may address it to all the soldiers in 2nd Battalion, 187th Infantry Regiment through its Battalion Commander: LTC Charles A. Preysler/Battalion Commander, 2-187 IN / APOAE 09355.

Similarly, for 3rd Battalion:

Rank Name (of any soldier)/
____ Company, 3-187 INF /APOAE 09355.

Or you may address it to all the soldiers in 3rd Battalion, 187th Infantry Regiment through its Battalion Commander: LTC

(See LETTERS, page 3)

The Kwajalein Hourglass

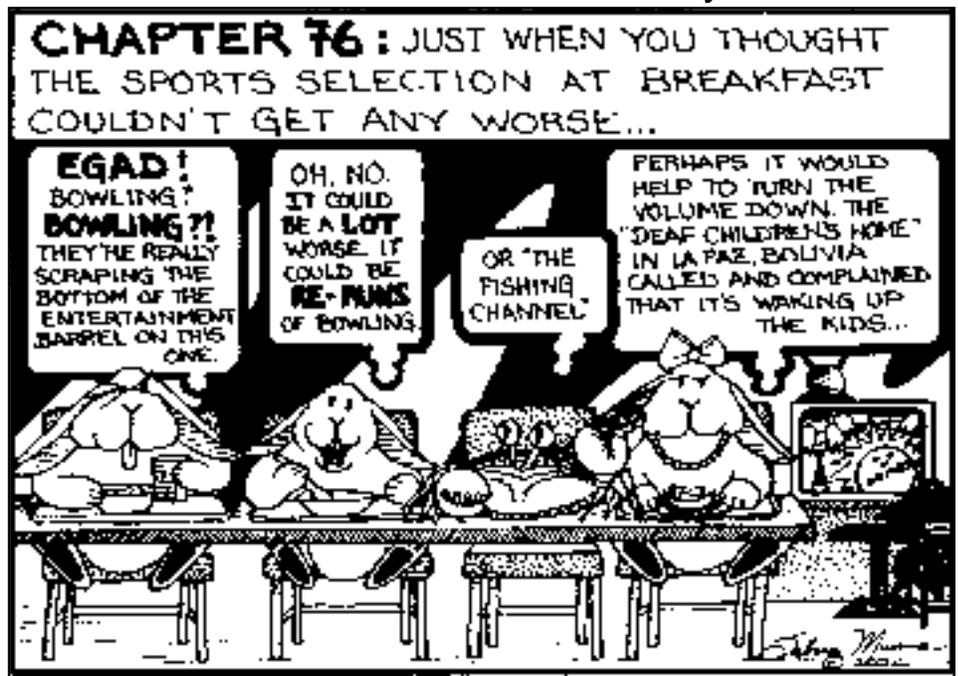
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The Hourglass is named for the insignia of the U.S. Army 7th Infantry Division, which liberated the island from the forces of Imperial Japan on Feb 4, 1944.

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Buckminster and Friends — By Sabrina Mumma



Dialing that number could be a bad — and pricey — call

By Barbara Johnson
Feature Writer

If you receive a message asking you to call someone back at a number with an 809, 284 or 876 area code, don't respond unless you know who's calling.

These area codes, located in the British Virgin Islands and other parts of the Caribbean, are used in a telephone scam that can cost you \$2,400 or more, according to a bulletin distributed by AT&T.

The main idea is "not to fall for [the] trap of answering something you don't recognize," said Jim Schilling, Communications Mission Support supervisor.

Schilling said that his office had heard about this scam and had confirmed it was on AT&T's fraud Web page and also learned that AT&T sent warnings about it to major companies in the U.S.

Here's how it works: You receive a message asking you to call a number beginning with one of these area codes. The reason you're given varies — to give you information about a family member who's ill, to tell you someone has died or to tell you you've received a prize, among others, according to AT&T. The message could also come to you via e-mail.

If you call the number from the U.S., you will apparently be charged \$2,425 per minute. Sometimes you'll get a long recorded message to keep you on the phone as long as possible.

According to this information, the phone bill for a call could amount to more than \$24,000.

Why are the charges so high? These Bahamas and Caribbean area codes can be used as "pay-per-call" numbers, similar to 900 numbers in the U.S. They are not covered by the U.S. regu-

lations, however, which require you to be notified of these charges when you call one of the 900 numbers. You are also not given the opportunity to end the call without any charge.

While some homes in the U.S. have a 900 number-blocking service, this doesn't work for the 809, 284 or 876 area codes.

Fighting the charges afterwards is difficult as well, because they are charged by a foreign company, and you actually did make the call. Your long-distance carrier is just providing the billing for the foreign company.

On their Web site, AT&T recommends checking with an operator or telephone directory to see where the area code is before making a call.

AT&T credits Verizon Communications for bringing this to their attention and also said that the National Fraud Information Center has identified the scam.

Although this is not a case of fraud, local residents should also be careful when receiving telemarketing calls from long-distance service carriers. In many cases, Kwajalein and Roi don't receive these calls, because the major carriers were asked to take the 355 city code out of their databases, Schilling said, adding, "We do, however, still receive some.

"People should not call or contact them because due to the nature of our system and billing setup, residents cannot take advantage of them," he said.

One Kwaj resident responded to an AT&T advertisement and called the 800 number to join their seven cents a minute program. AT&T signed him up using the number that appeared on their caller ID screen. Unfortunately

that number was the telephone number of the trunk line at the Pacific Bell, California, circuit. At the end of the month, the resident's bill was over \$700, the total of all the calls connected through that trunk line. Schilling said they were able to resolve the problem for that individual.

Industry experts say that telephone fraud costs about \$4 billion a year and affects people of all ages, income, education levels and lifestyles. As our communication systems get more high-tech, criminals create more sophisticated scams.

AT&T's fraud education Web site provides some tips for preventing phone fraud.

When traveling, be sure to guard your calling card number. If you're making a call from a public phone, make sure no one can see or hear the number. Also, never give your calling-card number to anyone over the phone.

And, on the Internet, be sure to check into a Web site before handing over any personal information. Many fraudulent offers come via e-mail because they are relatively inexpensive to disperse.

Most complaints of Internet fraud are from Web auctions, misrepresented Internet services and merchandise bought over the Net, according to the National Consumers League.

When making purchases on the Web, recommendations are to be sure to deal only with reputable organizations and don't give out personal or financial information unless you can be sure you're in a secure environment.

To visit the AT&T Fraud Education Web site, go to www.att.com/fraud/net/html.

Letters to the Editor

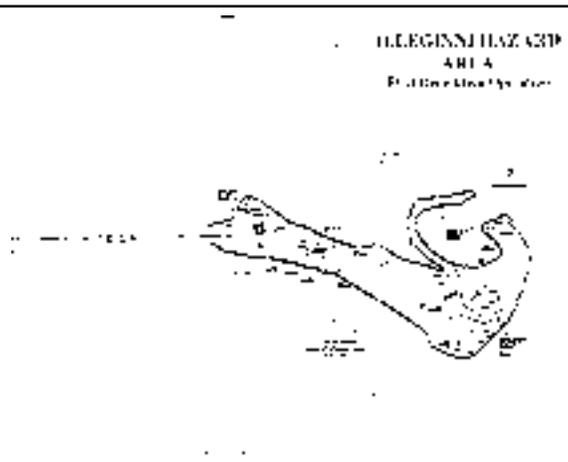
(From page 2)

Patrick L. Fetterman/Battalion Commander, 3-187 INF / APO AE 09355

For the Brigade Headquarters Group:
COL Frank Wiercinski, Brigade Commander / TF Rakkasan, 187 IN / APO AE 09355.

Notice the zip code of the 1st Battalion is 09351 while the zip codes for the Brigade Headquarters, 2nd and 3rd Battalions are 09355 (due to the different locations they deploy in Pakistan and Afghanistan).

EOD personnel will conduct explosive disposal operations on Illeginni Thursday, March 28, from 10 a.m. to 6 p.m. They will destroy hazardous World War II munitions. A safety exclusion area with a radius of 4,000 feet surface to air is off-limits to all unauthorized personnel throughout the operation. Questions? Call EOD at 51433.



IFT operations involve many organizations ...

(From page 1)

to date ... All indications are we have or will receive all the data we will need.”

The only concern Saturday was the weather, which had delayed IFT-7 twice, pushing testers to the limits of physical and mental stress. Besides a short delay of about 15 minutes, the target vehicle from Vandenberg Air Force Base, Calif., lifted off without a hitch. About 23 minutes later, a modified Minute Man II booster carried the exoatmospheric kill vehicle on its way to a plasmic explosion in space, with an intercept just eight minutes later.

Throughout the hush, tensed wait, voices reported “nominal” and “green.” Mission Director Darrell McMurray, speaking to the program’s many teams at Meck and elsewhere after the intercept, said, “That was boring and I like boring.”

It’s boring because IFT personnel practice procedures and contingencies ad nauseum.

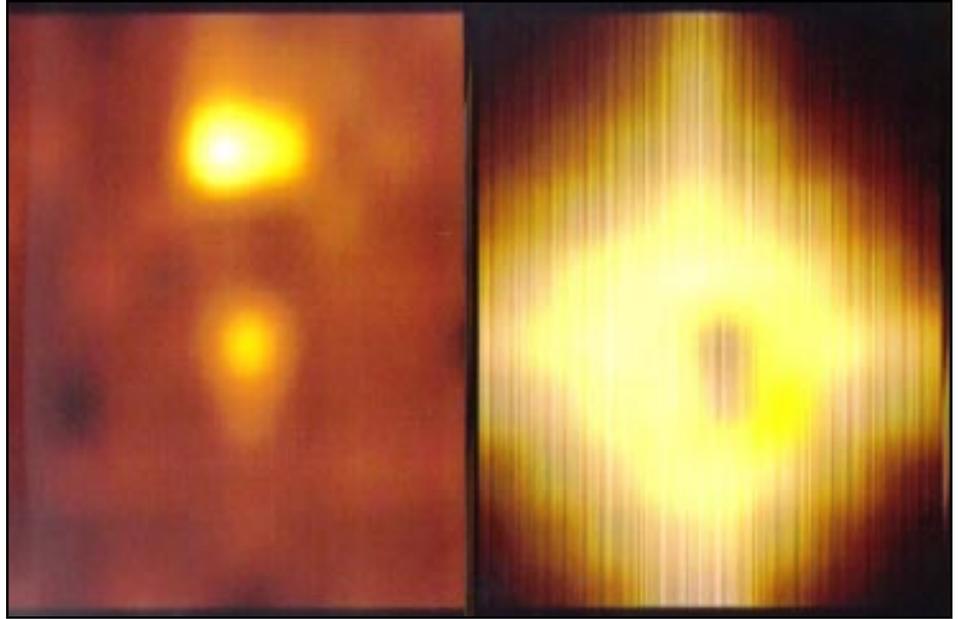
For instance, on every L-3 — launch in three days — is the final dress rehearsal for what amounts to opening night on launch day. All the players are dressed in their flight test team baseball jerseys, camouflage T-shirts and collared shirts with logos. The simulation brings all the sites — Meck, KMCC on Kwaj, Vandenberg and Space Command at Cheyenne Mountain — into the picture, from countdown to the mock launch. Even the access stands for the EKV and target vehicle are pulled back.

On Meck, the exposed EKV nose provides the backdrop for the various team mission pictures, group shots of everyone involved, from the rocket scientists to logistical, technical and security personnel.

“It’s something we do for every mission,” said Fred Lackey, public affairs specialist for GMD. Amazingly enough, earlier in the program, photos were taken the day of the launch.

The third and final power-up on Wednesday went well, according to McMurray, foreshadowing Saturday’s intercept.

“There were enough glitches to make it interesting,” McMurray said of the



The AST provides a bird’s eye view of the intercept Saturday afternoon.

last dress rehearsal.

Whatever the hiccups on game day, the lay observer sees the end result — the intercept. But just as important is the system integration, Sutton said.

“Over the next several weeks, government and industry program officials will conduct an extensive analysis of the data received during the flight test to determine whether anomalies or malfunctions occurred during the test, evaluate system performance and determine whether or not all flight test objectives were met,” according to a Department of Defense press release sent out shortly after intercept. “Since the system is in the developmental phase of design and testing, performance of individual elements and the overall system integration [were] as important as the actual intercept.”

The next test is tentatively scheduled for the summer.

A little history and a look ahead

The “hit-to-kill” technology used in GMD is actually third generation.

The grandfather program, HOE, first proved the technology in the early 1980s. Then came ERIS, less than 10 years later. While both programs scored intercepts, neither one enjoyed the longevity, support or exposure of GMD, which breaks its own record with each exoatmospheric intercept.

“Technology improves over the years,” said Lackey, who has more than 40 years in the missile testing business, and was around for both earlier exoatmospheric tests.

Exoatmospheric refers to what happens more than 60 miles from the ground. Endoatmospheric missile technology — anything below the 60-mile benchmark — is further along, with systems like THAAD and the Patriot, which fly slower in the lower altitudes.

“This is probably the most complex undertaking in the U.S. today,” Sutton said of the GMD program.

And it’s only going to get tougher, with the program committed to four developmental tests a year. IFT-8, for example, was the first test to introduce multiple decoys into the equation. As GMD becomes more polished, expect those discrimination scenarios to evolve.

“We are aiming at something more complex,” Sutton said.

Eventually, a booster specifically designed for the EKV will be integrated into the program, probably within a couple of years, according to Lackey. Currently, the kill vehicle takes its 17,000 mph ride on modified Minute Man II first and second boosters.

Rocket scientists and carpenters

A \$100 million test is not a nickel-and-dime operation, with hundreds of people involved from a number of different government agencies and civilian companies. The list of contractors reads like a Who’s Who of defense giants, such as Raytheon, Northrop Grummon, Logicon, Lockheed Martin and Boeing, which is the prime contractor for the program.

(See SUTTON, page 5)

Sutton: Mission support gets better every time ...

(From page 4)

"You would never get it on one org chart," Lackey noted.

Many of the folks are from Huntsville, Ala., but other teams come from different locations — like some members of the Raytheon EKV team, who fly in from Tuscon, Ariz. Of course others in the program are community members, like McMurray, who came here about a year ago from Colorado. Saturday marked his second mission as director and third overall, coming onboard for the successful IFT-6.

"I wish we could bring up the whole island," he said. "The whole community should share in this."

McMurray and others involved in the program work year-long for these moments of success.

Resident Ben Bader used to work the range safety end of the operation. Now he's in the control room, learning the intricacies of the "right unit"—which evaluates EKV status and reports to Vandenberg, among other duties — from fellow resident Bob Levine.

"Sometimes people lose sight of the team aspect," Bader said. "It's well-orchestrated."

Still, the number of people involved does make testing a challenge for those charged with being the conductors of the orchestra.

"It is challenging to ensure that all the disciplines perform at the right time and place," Sutton said.

Often overshadowed by this all-star team of engineers and rocket scientists are the people who keep the lights on and the food on the table at Meck.

Joe Loer, Meck Operations manager, and the crew of logistics and technical personnel run the power plant, dining hall, Optics, machine shops and anything else needed to support the mission — Kwajalein on a smaller, more intimate scale.

On launch day, there's a lot of hurry up and wait, as final preparations are made and small logistical conflagrations are put out, like a malfunctioning alarm that needs repair before the 1 p.m. "take cover" call.

"We stay busy with the last-minute surprises," Loer said.

Making sure there are as few surprises as possible are about 50 people on the RSE side. Some of these employ-

ees have 15 or more years at Meck, with their responsibilities going well beyond their job titles.

Chris Patrick is a carpenter, with 15 years at Meck, coming on board in the days of Pan Am. It's not unusual for him to fill in as a shuttle driver or a half-dozen other duties at crunch time.

"We do everything," he said. "Anybody who needs help."

It's that sense of team spirit that makes the Meck crew work so well together, according to Falemalama Tagoilelagi, lead at the Paint Shop. Tagoilelagi has about 14 years on Meck and a total of 25 years at USAKA — on this tour, his third.

"We do a lot of things for the mission," said Tagoilelagi, a native of American Samoa, with tours at Kwaj in 1961-63 and 1970-73. His current tour started in 1976.

"The most important thing is everybody works together," he said. "It makes the job easier ... Nothing is tough. Anything is possible."

Those are not idle boasts. The customer has noticed.

"Support is getting better every time," Sutton said.

Technology brings work home for many family members ...

(From page 1)

Air Force Base, the reactions from VIPs in the Meck control room and the launch of the interceptor at Meck.

In addition, telemetry data sent by the target missile and interceptor, gives viewers an unclassified, real-time, computer-generated, animated movie version of the entire mission. Resembling Shrek, ANTZ or any of the other new Hollywood animated favorites, the movie tells the story without any of the complicated rocket science.

Except for when the interceptor does a loop to burn off energy before striking the target. The interceptor appears to take a sharp turn back toward the Earth, away from the target, which then leaves the screen as the view shifts.

"That's really scary," said one observer in the room.

"It is, but it's supposed to do that," said Keith Harville, of Layer 8 Technology, the company that put the room together.

As the loop is completed, the view returns to normal, and the target vehicle again appears in the background approaching the interceptor.

The alternate viewing site also offers an outlet for VIPs and others who don't need to push buttons at the control consoles, and the alternative just got closer to the folks in the states.

Layer 8 is installing a similar 1,000-square-foot viewing facility in Huntsville, Ala., which could result in less TDY participants at the range, since they will be able to observe, consult and participate from CONUS, according to Harville. One of those support contractors is Tom Adams. A long-time veteran of missile testing programs and friend of the Hills, Adams has participated in GMD program since IFT-2.

"You can do a better job if you're more relaxed, sleeping in your own bed and eating in your own kitchen," said Hill.

Adams nodded in agreement. "I've been away from home for six weeks, on other tests, and it gets old," he added. "Of course, I wouldn't be able to come out and see Delsie as much."

With more than 300 TDY personnel on Kwajalein for IFT-8, and missions presumably scheduled for every quarter, cutting back the number of TDY personnel for each mission could re-

sult in big savings for the program.

But for the families of the participants, it's the best way to understand what mom or dad does for a living.

"It's cool watching the footage," agreed James Ouderkirk, 13, whose father works at GBR-P and mother works for GMD. "You see it on the news, but you know this before the rest of the world."

"I was surprised," said Harville's 13-year-old son J.T. "I didn't know what it would look like. I can see why he's happy when it hits."

"We are making history," Harville said. "When you're in it all you take it as normal, but this is a big deal. These kids probably won't realize what they're seeing until years from now when they're reading about it in history books."

Corrections

Foul Play, not Undertow, won the inner tube water polo championship last year. The team Marco did play last year, as well.

Debbie Mawhar teaches English as a second language, not special education, as reported Friday.

Classified Ads and Community Notices

HELP WANTED

The following on-island positions are open with Raytheon. For more information or to submit a resumé or application, call HR employment, Beverly Schmidt, 52728.

CUSTOMER SERVICE REPRESENTATIVE, Project Planning and Control. Full time. Duties involve processing service orders, work requests and dispatching trouble calls. Must possess good organizational, customer service and interpersonal communication skills. Knowledge of construction, MS Word and Excel helpful.

KWAJ TAPE ESCAPE. Part time or casual. Assist customers in selecting and renting videos and stock and maintain merchandise. Hours are evening and weekend shifts. Must be able to work independently and have good communication skills. Must be at least 16 years old.

ADMINISTRATIVE ASSISTANT, RSE Human Resources. Full time. Seeking a team-oriented individual to perform general administrative duties. Experience with MS Word and Excel highly desired. KEAMS experience helpful, but not required. Excellent verbal and written communication skills, attention to detail and the ability to perform multiple tasks are a necessity. For further information, call Andrea, 53705.

DM TECHNICIAN. Temporary, part time or full time. Seeking individual with skills to convert TIFF images to PDFs, use Adobe Acrobat and number PDFs according to drafting standards. Responsible for scanning large drafting drawings and naming, numbering and filing them using Photoshop. Must be familiar with Windows NT, MS Office and Adobe Acrobat.

SPORTSWRITER, *Hourglass*. Casual. Must be able to write well, use digital camera and stick to a deadline. Evening and weekend hours required. Knowledge of sports helpful. Submit minimum of three clips to Jim Bennett, Box 23, Local, or at Building 805, second floor, at the *Hourglass* office or e-mail: jbennett.kls.usaka.smdc.army.mil. For more information, call 53539.

SCHOOL-AGE SERVICES LEAD INSTRUCTOR. Seeking individual with background working with elementary school children to plan and implement a before- and after- school program and full-day program during school vacations. Individual should have experience with child development, activity planning and willingness to complete training program. A criminal history background check is required.

SECRETARY, ALCOR. General office clerical support for KREMS radars. Duties include timecard administration, filing and cataloging technical memos, new-hire orientation, managing office supplies, preparing weekly and monthly status reports and maintaining calling trees and other administrative lists.

DENTAL HYGIENIST. Casual. Seeking certified dental hygienist to work on an as-needed basis. Selected individual required to undergo a criminal history background check.

MATERIAL SPECIALIST, Supply Dept. Full time. Individual needed to perform administrative duties. Requires good interpersonal skills, knowledge of MS Word and Excel and general office skills.

SECRETARY, Utilities Management. Temporary, full time. Seeking self-motivated person with excellent organizational skills proficient in Word, Excel and

PowerPoint. Duties include bi-monthly activity report, monthly CDRL reports, tracking monthly credit card purchases, tracking open requisitions, PANS and general office work.

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

CAD DRAFTSMAN/ESTIMATOR PT/FT. Send resumé to San Juan Construction, P.O. Box 3178, Local.

USAKA currently has the following job vacancies. For application information and announcement paperwork, call Cris Foster, 54417.

BUSINESS ASSESSMENT ADVISOR, GS-13. Closes March 20.

MANAGEMENT and PROGRAM ANALYST, GS-12. Closes March 27.

PROGRAM ANALYST, GS-12. Closes April 3.

PUBLIC AFFAIRS SPECIALIST, GS-9. Closing extended to March 20.

WANTED

GOLF CLUBS and cart, PC with 9" monitor. Call 51328W or 53698H.

HOUSE or BQ for a lovely lady who loves pets and plants May 6-15. Call 53717.

LOST

LESLIE Harper's black and white cat named Jack. Call Vet Services, 52017.

LITTLE GIRL'S pink bike with waves of bright colors through white tires, no baskets, has drink holder, from Qtrs. 492-B. Call 52337.

COSTA Del Mar sunglasses at Emon Beach. Reward offered. Call 52675.

BIKE taken from Tr. 504 March 6. It has a green Pohnpei license plate on back. Call Les, 51751H or 57217W.

MAUI JIM sunglasses, small chip on one lens, March

2 between Emon Beach and BQs. Call 59199W or 54541H.

FOUND

YELLOW BIRD baby teething ring. Call 51359.

KEYS at Dally Field March 6. Call 54534.

FOR SALE

RECLINER, \$300; dishwasher, \$200; plants. Call 52447.

TWO CARBONY 6½ oz. glasses, \$10 each; Sony bookshelf speakers, \$50; entertainment center, \$50; five-gallon beer keg with all attachments, \$50; CO2 regulator filter for keg, \$60; large CO2 bottle, \$10; Instep child carrier (cart), \$50. Call 50896, evenings.

FOUR 80 cubic ft. aluminum scuba tanks with valve, \$25 each; Citizen dive watch, \$300; Sony Hi-8 video camera with extra batteries, charger, underwater housing, \$300 Amphibico light, carrying case, instruction manual, \$1,000 for all; Oster sno-cone machine, \$10; Radio Shack battery charger, \$25. Call Greg, 56752, or leave a message.

UNDER-SINK water filter with extra filter, \$40 or best offer; high chair, \$20 or best offer; large plants; outdoor bench, \$30 or best offer; gingerbread house cookie mold, \$10; mini-blinds; carpets; fence. Call 54530.

HUNTER GREEN and beige couch, purchased stateside, excellent condition, \$700 or best offer. Call 51081 and leave a message.

FRIDGIDAIRE dishwasher, \$100; white baby cradle with three sheets/comforter/bumper, excellent condition, \$50; 900 Mhz digital cordless answering machine, \$35. Call 52368.

WAKEBOARD: Hyperlite Belmont 140 30/60 with extra-large bindings, excellent condition. Call 54168.

DIVE TRIP for two to Bikini for use any time this year. Paid \$4,000, will sell for \$3,000 or best offer; two sets of scuba gear; Seaquest BCDs, sizes M/L and L; Sherwood regulator with octopus and Oceanic com-

**Women
Sustaining the
American Spirit**

Join USAKA SEEOP
Committee for a Women's
History Luncheon Friday,
11:30 a.m., at the Yokwe
Yuk Club. Cost is \$10 including
gratuity. Guest speaker is
Madelain Westermann. For
reservations, call Mike, 54339,
by noon Thursday.

Classified Ads and Community Notices

puter; U.S. Divers regulator, octopus, computer, weights and belt, \$400 for set. Call Amy, 51145.

FOUR NEW 48" VHO aquarium lights, \$100; loft bed, fits double mattress, carpeted platform, \$250. Call 51117.

PCS SALE. Bicycle, \$15; umbrella stroller, \$5; kids bowling game, \$5; crib musical mobile, \$5; gas grill with side burner, \$45; stroller umbrella, \$3. Call 51298.

MAKITA cordless drill with battery and charger, \$100; Craftsman ratchet set, \$50; small bookcase, \$30; CD/tape/AM/FM boombox, \$80. Call Kit, 53845, after 6 p.m.

ULTIMATE Lean Routine protein shake and fat blocker system. Great for weight loss or body building. Three one-month supply units, \$25 each. Call 52398, evenings only.

42 CUBIC FOOT Rubbermaid shed, fully assembled, with shelves, \$250. Call 54624.

ACCUGEAR Accutronic AVH-1 underwater camcorder housing, holds most Sony camcorders, \$200 or best offer. Call Wes, 53408, days.

PCS SALE. Computer desk, \$35; ironing board, \$20; utility cart, \$75; set of plastic shelves, \$10; bike, \$30. Call 55319H or 52130W.

GOLF CLUBS. Call Les, 51751H or 57217W.

COMMUNITY NOTICES

QUILTERS, bring joy into the life of an at-risk hospitalized baby by making an ABC baby quilt, preferably by May 1. For details, call Jean, 54833, or Patti, 54316.

CONSERVATION TIP: Clean or replace your air-conditioning filter regularly. Self-Help has filters.

KGA is hosting a Par-3 Fun Tournament April 1. Play is limited to the first 90 players (nine groups of 10). Sign up at the golf course. Play will be followed by a Cajun boil. Questions? Call Geary, 52345.

UNDERWATER EASTER egg hunt for divers and snorkelers is Sunday, 1-3 p.m., at the north end of Emon Beach. Prizes awarded. Food and drinks provided. Watch the roller for details.

OUTDOOR PLANTS available at Self-Help on limited basis. Volunteers are needed at the gardens. Call 54980, 8-11 a.m.

SAFETY REMINDER: During hours of darkness, bike lights are required south of Ninth Street and along Perimeter Road. Early morning exercisers should wear bright reflective clothing. Walk or run on the proper side of the road. Refer to USAKA Reg. 190-5 for details. Questions? Call RSE Safety, 51503.

IT'S TIME to submit photos for the 2003 Kwaj Calendar. Bring your photos to the Retail Office and sign a release. Now through May 1. Questions? Call 53307.

FREE WORKSHOP for painting enthusiasts is scheduled every Tuesday beginning March 26, 6:30-8:30 p.m., at Qtrs. 439-A. Bring supplies, books and Internet info. If you have basic information to enlighten others in oils, watercolors, pastels, ink or pencils, call Lexy, 54240.

ADULT POOL diving area will be used for spring break diving class Friday, March 29, 9-11 a.m. Questions? Call Amy, 53331.

FAMILY POOL is closed for maintenance March 28-30. Emon Beach is guarded 3:30-6 p.m. on these days in addition to the regular spring break hours of noon-3:30 p.m. Questions? Call Kristin, 52848.

A JUNIOR GIRLS (grades 4-6) soccer pick-up league starts Sunday, March 24, and runs for six weeks. The games will be played 4-5:30 p.m., Sundays, on the high school fields. Girls must wear shin guards and not wear jewelry. Questions? Call Rick, 58455W or 52667H.

YOUTH BASEBALL and softball officiating and scorekeeping clinics are Thursday in CRC Room 1 as follows: scorekeeping at 5 p.m.; officiating at 6 p.m. No experience necessary. Have fun and earn money at the same time.

THE COMMUNITY is invited by the Church of Jesus Christ of Latter Day Saints to view a movie portraying the last week of the mortal life of Jesus Christ Wednesday, March 27, 7-7:30 p.m., in CRC Room 3. Refreshments will be served. Questions? Call John Koehler, 54756.

SCHOOL ADVISORY Council holds its meeting tomorrow, 7 p.m., in the elementary music building. Final approval of changes to the immunization policy is on the agenda. The public is invited.

Small Arms Range Notice

The small arms range will be in operation tomorrow, 8 a.m.-noon. Avoid the hazard area shown below.

All watercraft must observe the red flags on the southwest end of the island.



The map shows Kwajalein Island with a north arrow. A shaded area on the southwest end is labeled 'Small Arms Range'. A larger shaded area extending from the range is labeled 'Hazard Area'. A red flag is shown on the southwest end of the island.

BALLROOM dinner/dance tickets are now on sale. This annual extravaganza is at the Yokwe Yuk Club Sunday, April 28, 7 p.m. Get yours now. Call Cris, 52935, Nate, 53578, or Dick, 51684.

MASONIC FELLOWSHIP meets tomorrow, 7 p.m., in the Yokwe Yuk Club Kabua room. All Master Masons welcome.

COMING SOON!

To a CAC Room 6 near you!

The film premier of "Endangered Mermaids"

Friday, 7 p.m.



Coming Soon!

This film is the latest release from Oceanic Research Group on the subject of manatees.

Everyone is welcome, but the film is rated **PG-13** for graphic medical scenes.

Questions? Call Tom, 52573H or 58331W.

See you at the movies!

Saturday

The Jungle Book (G, Animated)

Disney's animated feature of the Rudyard Kipling story about Mowgli, a boy raised by wolves. He is befriended by a laid-back bear named Baloo, who joins him in his jungle adventures. (Voices of Phil Harris, Sebastian Cabot, Louis Prima, George Sanders) (78 minutes)

Richardson Theater, 7:30 p.m.

Spy Game (2001, R)

About to retire from the CIA, veteran spy Nathan Muir learns that his one-time protégé Tom Bishop has gone rogue and been taken prisoner in Beijing after attempting to smuggle a prisoner out of China. Muir agrees to take the most dangerous mission of his career, rescuing his old friend from a Communist jail. (Robert Redford, Brad Pitt) (127 minutes)

Yokwe Yuk Theater, 8 p.m.

Serendipity (2001, PG-13)

In this romantic comedy about fate, love and chance two people meet again several years after a chance encounter. They live on opposite sides of the country and are engaged to be married to others. Both enlist the help of their friends to help them find love again. (John Cusack, Kate Beckinsale) (90 minutes)

Tradewinds Theater, 7:30 p.m.

Sunday

Serendipity (2001, PG-13)

Richardson Theater, 7:30 p.m.

Spy Game (2001, R)

Tradewinds Theater, 7:30 p.m.

Monday

Serendipity (2001, PG-13)

Richardson Theater, 7:30 p.m.

Spy Game (2001, R)

Yokwe Yuk Theater, 8 p.m.



(Photo by Dan Adler)

A Night at the Opera

The High School Choir sings "When I Was a Lad" from *H.M.S. Pinafore* under the direction of Choir Director Cheryl Shields during the Band and Choir concert Thursday evening in the MP room. The concert featured selections from the opera such as *Carmen*, *The Marriage of Figaro*, *William Tell* and *The Gondoliers*.

U.S. could face ICBM threats by 2015

Jane's Missiles and Rockets, February, 2002

Most U.S. Intelligence Community agencies believe the U.S. could face an ICBM threat from North Korea and Iran, and possibly from Iraq, before 2015. Short and medium range ballistic missiles (SRBMs and MRBMs) already pose a threat overseas to U.S. interests, military forces and allies, says the U.S. National Intelligence Estimate 'Foreign Missile Developments and the Ballistic Missile threat through 2015 ...'

These dates are based largely on

engineering judgments made by experts, inside and outside the intelligence community, on the technical capabilities and resources of the countries in question, the level of foreign assistance being provided or seen as possible, plus potential delays due to technical, political, or economic difficulties ... In many cases, the pace of a missile [program] will depend on the availability of foreign assistance.

(Reprinted by permission from the *Ballistic Missile Defense Organization*. Use of articles does not reflect official endorsement.)

WEATHER
Courtesy of Aeromet

Tonight: Partly cloudy with isolated showers.

Winds: Northeast to east-northeast at 13 to 18 knots, with higher gusts near showers.

Tomorrow: Mostly sunny with isolated showers.

Winds: Northeast to east-northeast at 12 to 17 knots, with higher gusts near showers.

Temperature: Tonight's low 80°
Tomorrow's high 86°

March rain total: 0.49"

Annual rain total: 5.04"

Annual deviation: -5.13"



Sun • Moon • Tides



	Sunrise/set	Moonrise/set	High Tide	Low Tide
Tuesday March 19	0654/1900	1013/2256	0650, 5.0' 1850, 4.5'	0030, 1.0' 1250, 1.3'
Wednesday March 20	0654/1900	1057/2358	0720, 4.8' 1920, 4.1'	0100, 1.3' 1330, 1.6'
Thursday March 21	0653/1900	1145/	0750, 4.5' 2000, 3.6'	0120, 1.6' 1420, 2.0'
Friday March 22	0653/1900	1238/0041 First Moon	0850, 4.1' 2130, 3.1'	0200, 2.0' 1550, 2.4'