



## New radar enhances Navy's ability to protect nation



From left to right, Capt. Aaron Cudnohufsky, Capt. Larry Creevy, AMDR Major Program Manager, Laurie Yoshida, governor's Kauai representative, Harold Tomomitsu, President TOMCO Construction, Dennis Makabe, Naval Facilities Command Hawaii, and Puni Patrick, who assisted Aletha Kaohi in the blessing ceremony, use traditional o'o sticks to break ground at the new Advanced Radar Detection Laboratory facility on Tuesday, Jan. 19. U.S. Navy photo by MC2 Jay Pugh.

Story by MC2 Jay C. Pugh

The Pacific Missile Range Facility (PMRF) began construction of an Advanced Radar De-

tection Laboratory (ARDEL) facility on Jan. 19.

The ARDEL project will test and evaluate a new radar system

planned for the next generation of surface combatant vessels strengthening the Navy's ability to detect, track, and provide information required to engage ballistic missiles at greater distances than current systems in use as well as more elusive long-range air threats. The advanced technologies of the new radar incorporate various aspects of ballistic missile defense (BMD), air defense (AD), and surface warfare (SuW).

According to the Department of the Navy's Environmental Assessment of the project, the purpose of the ARDEL facility is to test advanced radar technologies including the Air and Missile Defense Radar (AMDR). According to the AMDR Major Program Manager, Capt. Larry Creevy, AMDR is a next generation radar system designed to address the BMD, AD, and SuW capability gaps identified in the Maritime Air and Missile De-

**Radar, Contd. on Page 3**

## Liberty House comes to PMRF

Story by MC2 Jay C. Pugh

Dec. 10 marked the soft-opening of the new Liberty House at PMRF. In attendance were more than 30 Sailors along with 3-time Super Bowl Champion Riki Ellison of the Missile Defense Advocacy Alliance.

The Liberty House was a year in the making. In 2008, Vice

Adm. Michael Vitale, Commander, Navy Installations Command, visited PMRF and sat down with enlisted Sailors to listen to their concerns face-to-face. One of the biggest issues the Sailors had was a lack of a place to call their own. In other words, the Sailors wanted space where they could find entertainment tailored just for them.

"At one time, it was at the all-hands club (Shenanigans), but we wanted something geared more towards the Sailor," said Steven Taylor, PMRF MWR Director.

After a year and more than \$10,000, a club just for Sailors

**Liberty, Contd. on Page 4**

# Commanding Officer's Hot Line: Ext. 4435

You can call the Captain with your question/concern too. Dial 335-4435 any time, seven days a week! The purpose of the hotline (record-a-phone) is to provide all PMRF military members, families, civil service and contractor employees the opportunity to communicate directly with the CO. Some suggestions are:

- Safety suggestions/violations/unsafe practices, ideas to improve safety and promote safety awareness.
- Ways to improve morale, working or living conditions.
- Suggestions on how to save taxpayer dollars, cut costs, save energy, reduce labor manhours, etc.
- Security violations and/or recommendations for strengthening physical security and safeguarding classified information.
- Any positive things (events, programs, policies, benefits, etc.) that you feel are particularly good.
- Any negative things you feel should have the CO's attention.
- Suggestions for improving disaster preparedness (tsunamis, hurricanes, fires, etc.)

You need not identify yourself to leave a message, but if you would like a staffed response, please do so. If reporting a problem, please try to recommend a workable solution. Some of the questions or problems reported will be answered in the Within Range.

A good point of contact for issues involving Navy families is the PMRF Ombudsman, Dawn Gregg, who can be reached at cell, 635-5364 or email at [pmrfoambudsman@yahoo.com](mailto:pmrfoambudsman@yahoo.com).



U.S. Navy illustrations by MC2 Jay C. Pugh

**P  
M  
R  
F  
  
S  
n  
a  
p  
s  
h  
o  
t**

### **"PMRF Idol!"**

*AS1 Hector Aspurias demonstrates his suggested poses for official Navy portraits.*

Within Range is published bi-weekly by the Pacific Missile Range Facility Public Affairs Office. Questions, concerns and comments can be directed to the Editor at [tom.clements@navy.mil](mailto:tom.clements@navy.mil) or [jay.pugh@navy.mil](mailto:jay.pugh@navy.mil).

**Commanding Officer:** Capt. Aaron Cudnohufsky

**Executive Officer:** Cmdr. James Wucher

**Editor:** Tom Clements

**Command Master Chief:** STSCM(SS) Ronnie Spake

**Staff:** MC2(AW) Jay C. Pugh



From left to right, Capt. Aaron Cudnohufsky, Erika Burton, Stephen Taylor, Pastor Wayne Vidinha, and Henry Kahale present one of six new cottages. U.S. Navy photo by Jerry Lamar.

## MWR Upgrades

# Six new cottages open

On Jan. 15, the PMRF Recreation Cottage Program cut the opening ribbon on six newly constructed cottages. PMRF raised its cottage total to 26 rentable units that targets needs of the Sailors assigned to or visiting the installation on leisure travel as well as the occasional guest.

The six new units consist of five new two-bedroom units and a

three-bedroom duplex unit. The units are equipped with BBQ grills, basic cable, telephone, Internet access, air conditioning in the bedrooms, full kitchens and are all fully furnished to include patio seating.

The construction of the new cottages broke ground in January of 2009 and was completed in December of 2009.

### **Radar, Contd. from Page 1**

fense of Joint Forces (MAMDJF) Initial Capabilities Document (ICD). AMDR is envisioned to counter current and emergent Ballistic missile, air-to-surface and surface-to-surface missile threats.

"This advanced radar project will not only further the Navy's ability to protect and serve our nation and our allies, but also strengthen PMRF's status as a diverse and important training and test and evaluation resource for our country," said PMRF Commanding Officer Capt. Aaron Cudnohufsky.

The Department of the Navy chose PMRF for the new ARDEL facility due to Barking Sands' ability to provide integrated range services in a modern, multi-threat, multi-dimensional environment, from space to the ocean floor that ensures the safe conduct and evaluation of training and test and evaluation missions. PMRF was the only potential build location that met the required test and evaluation criteria that could completely support the proposed development of a land-based testing site while

providing targets that are representative of the threats Navy vessels may encounter in their operational environment. Test and evaluation of the new radar technologies would include the use of targets of opportunity on the PMRF range.

"PMRF has been working closely with the ARDEL project for some time and breaking ground on the construction of this facility will put us a step closer to actually realizing a new capability here," said Cudnohufsky.

The two-story ARDEL facility will consist of a radar tower, mechanical and electrical rooms, radar chiller room, control rooms, equipment storage and loading areas, data processing room and other supporting spaces. The facility will be built with a "silver" designation of the Navy's Leadership Energy and Environmental Design (LEED) building standards. Developed in the 1990s by the United States Green Building Council (USGBC), LEED is a certification system for environmentally friendly construction, indicating the project meets or exceeds government mandates as well as industry standards.

Buildings can achieve certified, silver, gold or platinum designation

of LEED compliance. The Navy requires all construction and major renovation projects to be compliant to LEED silver standards or better.

The traditional image of a radar antenna is the rotating, parabolic antenna as seen on top of airport control towers and aircraft carriers. In contrast, the two radars of the ARDEL facility are similar to the radars of the Theater High Altitude Area Defense (THAAD) radar system, currently operating at PMRF, and to the AEGIS system in use on Navy vessels.

"This facility will be the birth place for the most advanced radar the world has ever seen in the most capable Navy the world has ever seen. It will fulfill missile defense requirements recently identified by President Obama," said Creevy.

Naval Facilities Engineering Command (NAVFAC) Pacific awarded the \$18.5 million, firm-fixed price contract to Tomco Corp. of Honolulu for design and construction of the ARDEL facility. The facility is expected to be completed by Aug. 2011.

# Comfort receives first patients aboard

By MC3 Matthew Jackson, USNS Comfort (T-AH 20) Public Affairs

Navy medical professionals aboard USNS Comfort (T-AH 20) received their first patients Jan. 20, delivered by an MH60S "Knighthawk" helicopter from USS Carl Vinson (CVN 70) in the middle of the night.

Comfort's medical staff sprung into action following a message over the hospital ship's general announcing system informing shipboard personnel that a flight carrying patients was imminent.

"The team did an outstanding job with the two patients who arrived tonight," said Cmdr. Timothy F. Donahue, director of surgical services. "Just the way a good trauma resuscitation

**Comfort, Cont. on Page 5**



*The Military Sealift Command hospital ship USNS Comfort (T-AH 20) anchored off the coast of Haiti, while helicopters bring on medical evacuated patients. Comfort is conducting humanitarian and disaster relief operations as part of Operation Unified Response after a 7.0 magnitude earthquake caused severe damage in Haiti on Jan. 12, 2010. U.S. Navy photo by MC1 Troy D. Miller.*

## **Liberty, Contd. from Page 1**

was opened up on Polaris Drive in the Single Sailors' Housing area.

"We wanted to provide a non-alcoholic, non-smoking location for our Sailors to enjoy and socialize. The Liberty House enhances the camaraderie of being in the Navy together...for free," said Taylor.

Funding for the program was acquired through the Navy MWR Liberty Program. Liberty Centers are alcohol and smoke-free facilities that provide free movies, television, video games, quiet rooms for reading and writing, and computers with internet access. Each Liberty Center is unique and reflects the local area and provides a safe and comfortable place to spend time.

PMRF's Liberty Center is no exception and boasts a multitude of off-duty entertainment listing three flat screen LCD televisions with surround sound and cable sports packages, poker table, full kitchen with phone for emergency use, washer and dryer, ping pong table, two computers with full internet access, Playstation 3, Xbox 360, and Wii gaming consoles, and an outdoor grill.

"I love it. It's the best thing ever. It gets people out of their house for free entertainment... even though it's just down the road, it feels good to interact with other Sailors off-duty," said Airman Adam Robinson.

According to Robinson, the Liberty House was well received by Sailors and they use it on a daily basis which is impressive



*Sarah Poteete and Stephen Taylor present the new Liberty House. U.S. Navy photo by MC2 Jay C. Pugh.*

due to the small military population at PMRF.

"Shenanigans is open to everybody, but the Liberty House is special because it's just for us Sailors. It caters specifically to us and there's a lot more interactive stuff to do there," said Robinson.

## Announcements

### **MWR Happenings**

**SUPER BOWL XLIV** - Sunday, Feb. 7 at Shenanigans. Pre-game hype will begin at noon and coverage of the game will start at 1:30 p.m. Numerous giveaways including T-shirts, a TV, free pupus, pizza discounts and six chances to win a seat in Shenanigans' "Life of Luxury Throne." You must be 18 years of age or older to participate.

**SMOOTH JAZZ WITH JEFFERY SMITH** - On Feb. 9 and 10 at 6 p.m. relax to the smooth rhythm blend of jazz, R & B, pop, funk and soul of Jeffery Smith.

**CUPID'S VALENTINE'S DAY BASH** - On Friday, Feb. 12, come dressed in your favorite pajamas at Shenanigans from 9 p.m. to midnight for games and dancing.

**SEATTLE SEAGALS** - On Saturday, Feb. 13, the cheerleaders of the Seattle Seahawks show group will feature singing and dancing at 7 p.m. at Shenanigans. Through the use of different colorful costume changes, the group will be performing a 60-minute performance full of high energy, non-stop acts that appeal to all ages.

### **NWU Fittings**

Attention all PMRF Sailors! Navy

Working Uniform fittings will be held at the NEX on Feb. 4 and 5. Sign-up for fittings will start on Jan. 26 at the NEX. Each fitting will take approximately 30 minutes so plan accordingly. No money is required for the fitting. Please order your name tapes on-line at [www.navy-nex.com](http://www.navy-nex.com).

### **Security receives retention award**

Congratulations to PMRF's security detachment for receiving the CNIC Retention Excellence Award for exceeding the reenlistment and attrition goals for 2009.

### **Comfort, Cont. from Page 4**

should be conducted."

The two patients, a six-year-old boy and a 20-year old man injured in the earthquake that devastated Haiti Jan. 12, arrived aboard the 1,000-bed hospital ship shortly after 10 p.m. An initial examination confirmed that both of the patients suffered from serious injuries.

"The first two patients arrived and were taken straight to casualty receiving," said Capt. Richard Sharpe, a trauma surgeon aboard. "The first was a Haitian boy who suffered a blunt injury to his pelvis. He is stable and doing well.

"The second patient was a male who suffered some blunt injury to his head and arm. He won't need surgery for either injury, so that is good news.

"However," said Sharpe, "we discovered spinal cord fluid leaking out of his ear, which is concerning. But based on his computerized axial tomography (CAT) scan, his brain looks nor-

mal and is functioning properly."

Following initial assessments, both patients were moved to the intensive care unit for further observation.

Prior to arriving on station just a few hours away from the Caribbean nation of Haiti, Comfort Sailors spent much of their three-day transit from their home port of Baltimore, preparing for patients by conducting drills, reviewing procedures and conducting frequent exercises concentrating on the variety of afflictions they felt they were likely to encounter during their disaster relief efforts during Operation Unified Response.

"We have anticipated treating for extreme dehydration, infections from open wounds, orthopedic injuries and crush injuries," said Lt. Cmdr. Daniel D'Auora, division officer for the casualty receiving department aboard Comfort. "We have two cases of injuries at this moment, but we are also focused on the basic medical problems that may be exacerbated by the lack of medical care."

Doctors aboard the Vinson took

this same level of care in providing initial treatment to the young boy, which helped extend the child's ability to fight for his life.

"A surgeon aboard Vinson performed the initial surgery on the young boy, who sustained blunt trauma to his pelvic region during the earthquake or subsequent aftershocks," said Sharpe. "That kind of trauma is unusual for such a young child, but upon his arrival to Comfort he was responsive and doing well."

Comfort plans to receive many more patients during their indefinite stay in the region in addition to landing medical teams and providing supplies, including water.

The disaster relief and humanitarian operation capabilities of the ship were expanded from the initial total of 600 medical personnel to man a 250-bed hospital to 1,000 hospital beds and more than 1,000 Sailors to meet the needs of the approximately three million Haitians affected by the earthquake.

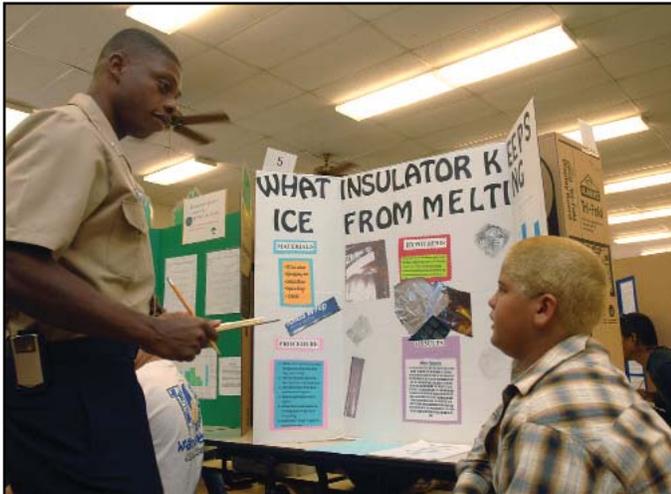
## PMRF participates in WCMS 3rd annual science fair



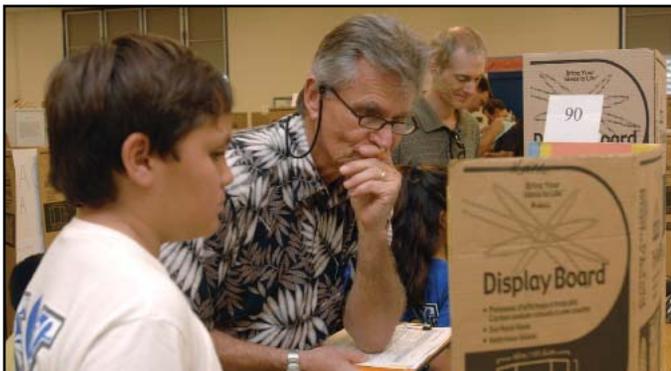
ET2 Shiloh Stieber, left, and AWF2 Meghan Rodriguez judge projects as Alex Hashimoto flashes 'Shaka'.



Lt. Christopher Lare judges the project of students Shania Akuna and Keani Kia-Gushiken.



EN2 Robert Taylor judges the project of Devon Vidinha.



PMRF employee John Burger helps judge a student's project.



ET2 Shiloh Stieber judges the project of Alexys Bermudez and Alex Hashimoto.

Waimea Canyon Middle School held its 3rd annual science fair on Jan. 20. PMRF provided 10 judges, 7 Sailors and 3 civilians, to assist in the judging. There was a total of 95 student projects and more than 150 students participating. Local business leaders, Adopt-a-School partners and parents assisted in judging the projects. U.S. Navy photos by MC2 Jay C. Pugh.

## Safety Corner

# NSC Offers Shopping Safety Tips

By April Phillips, Naval Safety Center Public Affairs

The Naval Safety Center offers tips to help shoppers avoid becoming victims of theft.

Experts at the Naval Safety Center said this is the prime season for pickpockets and thieves.

"So many people are walking around with blinders on this time of year, assuming everyone has good intentions," said John Williams, an off-duty recreation specialist at the Naval Safety Center. "The current economic situation is making the bad guys bolder."

Williams said it is not difficult to avoid – it just requires situational awareness and some common sense practices. One of the most important things a shopper can do is park in well-lit, high-traffic areas. There are also other precautions you can take.

"If you have a lot of pack-

ages, or feel nervous for any reason, ask a mall security guard to walk you to your vehicle," Williams said. "That's what they're there for."

Many shoppers go from store to store while they're out searching for items, and many just toss their purchases in the back seat of the car before they head to the next stop. Williams said this is an invitation for thieves.

"We've seen a lot of break-ins, and it's because the thieves were plainly able to see expensive items such as electronics or clothing inside the car," he said. He recommends putting all packages in the trunk where they're out of sight.

Statistics show that more shoppers are using cash to purchase items this year than in year's past. Some thieves are taking advantage of this with phony ATM machines. Williams said stand-alone ATM machines can be rigged to steal cards and personal

identification numbers. Thieves are then able to use the card and the pin to take money out of legitimate cash machines.

"Check the slot for signs of tampering and look for cameras where they shouldn't be," he said. "The most important thing is to be aware of your surroundings and remember that if something doesn't look right, it probably isn't."

Many high-tech shoppers may think they are safe from theft because they do most of their shopping online, but that's not always the case.

"Make sure your computer has good virus protection software and only shop from notable Web sites that encrypt your information," he suggested.

Williams said the smart shopper can usually stay a few steps ahead of the bad guys.

### "What we have here is a failure to communicate"



The tank (top photo) contains diesel fuel for backup power generators at an Air Force communications site in California. The airman shown blissfully puffing away had "completed all mandatory safety briefings,"



our contributor explains. "He is no longer in the Air Force." Not sure if that was a direct result or inci-

dental, but if the former, no wonder.

Our second little tableau was at a gas station in Arizona. "When I asked the employees about the thought process" behind this ash-tray location, they replied, "We have to smoke 20 feet from the front door. It's 20 feet away." Which begs the question, 20 feet away from what?

All that the airman or the gas-station employees need to do is torch off a major fireball, and then they'll really find out one way that smoking is bad for you.



# Wish you were here - Photos from the Fleet



*U.S. Navy photo by MC2 Kristopher Wilson*

**(Above)** BONEL, Haiti (Jan. 19, 2010) A Haitian boy watches as rigid-hull inflatable boats from the amphibious dock landing ships USS Fort McHenry (LSD 43) and USS Carter Hall (LSD 50) arrive ashore at the New Hope Mission at Bonel, Haiti. **(Below left)** PORT-AU-PRINCE, Haiti (Jan. 18, 2010) U.S. military service members unload water from an SH-60H Sea Hawk helicopter assigned to Helicopter Anti-submarine Squadron (HS) 15 at the airport at Port-au-Prince, Haiti. **(Below right)** PORT-AU-PRINCE, Haiti (Jan. 18, 2010) U.S. Air Force Airmen carry a Haitian child who was medically evacuated to the airport at Port-au-Prince, Haiti by a helicopter from the aircraft carrier USS Carl Vinson (CVN 70). Carl Vinson and Carrier Air Wing (CVW) 17 are conducting humanitarian and disaster relief operations as part of Operation Unified Response after a 7.0 magnitude earthquake caused severe damage near Port-au-Prince on Jan. 12, 2010.



*U.S. Navy photo by MCSN Heather Roe*



*U.S. Navy photo by MCSN Heather Roe*