

October 2017 Newsletter

Hams help
Page 4

Big Island Amateur Radio Club



From left, Bob Cunningham WH6I, Todd Wilson WH6DWF and Robert Sterling WH6FMK at Tantalus Lookout on Oahu.

-- WH6DWF photo

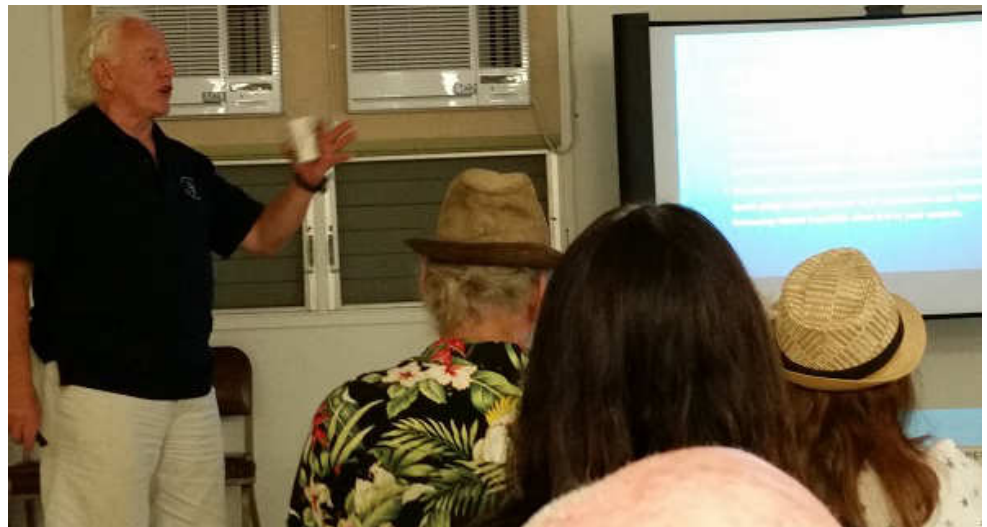
Across state, hams have fun making contacts in annual Grid Madness

Hawaiian Islands Grid Madness always provides a few surprises, and the 2017 edition was no exception!

This year, a small crowd of hams assembled at Tantalus Lookout above Honolulu and had a Grid Madness party. They rolled up in a cloud of dust, jumped out, set up antennas and wind turbines, and proceeded to connect BL11ch with the rest of the world. Well, with the neighbor islands at least.

Bob WH6I, Todd WH6DWF

Continued on Page 3



Les Hittner, K0BAD, coordinates presentation on portable magnetic loop antennas, how to buy or build one, and why a loop can play an important role in a ham's inventory.

Photos by
Linda
Quarberg,
WH6LQ

Magnetic loop was September focus

See K0BAD's presentation synopsis on
Page 2





Les Hittner, K0BAD, at left, and John Bush, KH6DLK, discuss the ins and outs of the magnetic loop antenna.

BIARC Magnetic Loop Presentation Items 09/08/17

Quick history –

- back to 1937 or earlier
- Used in Vietnam

Why consider magnetic loops?

- Low noise on receive
- Small size and profile
- Use as a receive antenna
- Used for direction finding work
- Narrow bandwidth can act as a preselector
- Reduces risk from nearby lightning



How to build a basic loop similar to an AlexLoop

- For 20M and 40M – 15 feet of 0.5/0.625 copper tubing
- RG8x for the faraday driving loop 3 feet = 20% of the main loop size
- A high voltage capacitor – around 4,000 volts for 100 watts of power
- Capacitor should be a butterfly, split stator, or vacuum variable for low loss
- 5:1 shaft reduction unit
- A water proof housing such as a Tupperware
- A 1" PVC center pole to mount the loop and tuning unit on
- RG-58 or RG-8X with a common mode choke to feed the antenna
- It is very important to keep all connections VERY low resistance



Enhancements

- For remote tuning
 - A small 12V gear motor
 - A pulse width modulator to slow down the motor

Costs

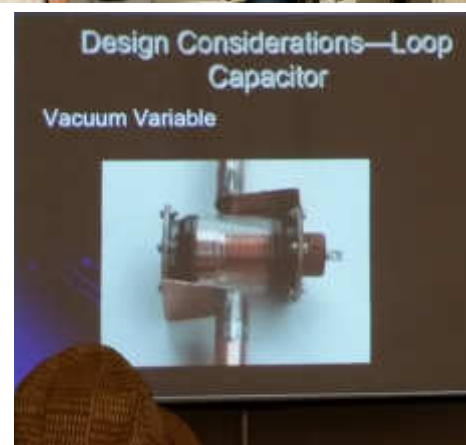
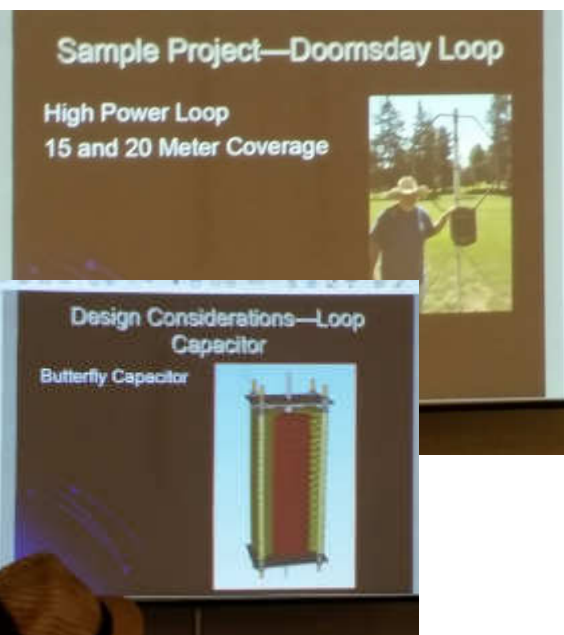
- A 20 foot box of 0.5/0.625 copper tubing at Home Depot is \$70.00
- 20 feet of LMR600 coax is 0.50 inches diameter and is a little light and cheaper
- The capacitors can range from junk box units up to \$350 vacuum variables
- Most of the rest of the items are pretty cheap
- The antenna is not much over 6 lbs and can be turned with a small rotator

Results

- Actual on the air results show performance in excess of many shortened antennas

Resources

- Capacitors – RF Parts, Ebay, Orin Elliot Enterprises, MFJ, Max Gain Systems
- Design modeling – 66pacific.com – look for mag loop calculator



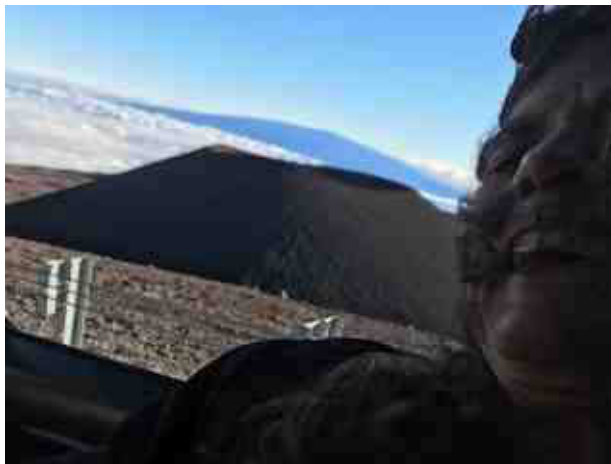
GRID MADNESS *From Page 1*

and Robert WH6FMK were among the hams at Tantalus. Others in the same grid square contributed to the frenzy. By the end of the four hour event, there were 157 contacts (unofficially) initiated from BL11ch, making it the hottest grid for the second year running.

After the dust settled, Todd commented: Grid Madness is a good outlet for those Amateur Radio operators who love EmComm communications by using just their radios and antennas. Weather was a key factor in the early afternoon with occasional rain and wind. Sandbags could of done us some good since the wind would blow over our antennas and one of my wind turbines I had placed on top of my Jeep SUV.

At an even higher altitude, Rob WH6DXW activated two grid squares at 8,000 feet on Haleakala (Maui) for an unofficial total of 84 contacts. Wow!

And here on the Big Island, Paul WH7BR, Elisabeth WH6FKT and Darrell KH6RDO activated the highest grid square in Hawaii, Mauna Kea's BK29gt at over 13,000 feet. They handed out an unofficial total of 70 contacts from the summit. Paul is a veteran of thin air, famous for his pioneering effort on Mauna Loa in 2015.

**Simplex from the top of the world**

Hams across the state had fun connecting with far-flung folks on simplex frequencies. Several Big Isle operators made the trek up to the top of Mauna Kea for the annual event. -- *Photo by*

Elisabeth Green, WH6FKT

A lot of "unofficials" in the story right now; your Event Manager is still sifting the data on an old, alarmingly hot computer. A handful of hams on the Big Island started Grid Madness in 2014. The event now includes all of the Hawaiian Islands. Hams use their dual band (2 meter and 70 cm) radios to contact as many stations as possible in as many locations (grid squares) as possible, in just four hours. Only SIMPLEX FM voice is allowed. This year, we ran the fourth annual Grid Madness on Sunday, September 17th.

Operators again demonstrated great skills, working together in the pileup, and moving to other channels. Many inter-island contacts were made "across the water." At this writing, logs are still coming in; operators have

submitted 37 logs, up from 30 last year. At least 58 stations participated, up from 50 in 2016.

Grid Madness operators achieved several "firsts" this year, including participation from Kauai. Thanks Jim NH6HI! And for the first time, Maui hams submitted logs (big time).

If you missed it this year, give it a try in 2018. If you enjoyed this year, invite others! If you know any new hams, invite them! Big mahalo to everyone that helped with ideas, publicity, sponsorship, etc. Your Event Manager will send an email when the detailed results are completed (asap in October). You will also find a link to the results at <http://gridmadness.blogspot.com/>.

73~

Stan AH6KO

Grid Madness Event Manager

T-shirt order update

The president reports that the BIARC shirt order may have been too complex for the shirt company. They had some misprint issues and had to reprocess the order. It's not confirmed if the shirts will be ready for the October meeting. On a bit of good news, the company will have additional shirts for sale for new or current members once the current orders are complete.

October BIARC meeting program:

In response to requests from the membership, Les Hittner, K0BAD, will discuss and demonstrate C4FM (Yaesu's Fusion system) and Wires-X at the next meeting at 2 p.m.

Saturday, Oct. 14, at the Keaau Community Center. If you own a Yaesu handheld that can run C4FM, please bring it.

"On C4FM, I will discuss Yaesu's implementation of digital voice FM as well as the Wires-X internet interface. This is the same system that our fusion repeaters can use," Les says. Time permitting, he also plans to talk about two other digital systems commonly used on VHF/UHF amateur FM systems, Digital Mobile Radio (DMR) a Motorola commercial implementation, and Icom's D-STAR system.

Hurricane updates:

Les says a good website to follow during any sort of hurricane disaster is The Hurricane Watch Net: <http://www.hwn.org/>

Radio fixit ham:

In her recent research into the subject of fixing her old HF radio or buying a new one, Irene Kubica, NH7PE, came across a guy near Portland, Bud Garside, who fixes radios.

Although she wound up buying a new rig, Irene offers Bud's contact info for anyone interested: ph. 503-554-8831; budgarside@juno.com. He also sells rehabbed rigs.

Proposed 2018 BIARC officers:

The BIARC Nominating Committee submits the following names for consideration for the year 2018. Elections will be held at our November meeting. These members have agreed to serve, although nominations always are welcome from the floor. Nominees are:

President: Pascal Nelson, ac7n@arrl.net; Vice President: Peggy Gentle, radiopeg@gmail.com; Secretary: Paul Ducasse, ducasse@hawaii.rr.com; Treasurer: Debbie Nelson, ah7dn@arrl.net; Directors: Gary Schwiter, wh6eps@gmx.com (past president); Cory Allen, KN6ZU@yahoo.com; Barbara Darling, nh7fy@yahoo.com; Kim Fendt, wh6kim@gmail.com; Bill Hanson, whanson@co.hawaii.hi.us; and Bob Schneider, ah6j@arrl.org. Program co-Chairs John Bush, amsjbush@gmail.com, and Les Hittner, lhittner@hbc.com, will maintain their current posts.



Ham Aid -- Joe Garcia and Mike Corey pack gear. (For background stories on the ARRL volunteer communications effort to assist Puerto Ricans and others, see related stories on following pages.)

Amateur radio volunteers in Puerto Rico meet a variety of communication needs

The Amateur Radio volunteers who deployed as American Red Cross volunteers to Puerto Rico as part of the "Force of 50" early in the month have been focusing their efforts where their help is most needed. ARRL CEO Tom Gallagher, NY2RF, said the volunteers, in general, will provide communications for local law enforcement and utility managers, island-to-mainland health-and-welfare traffic, and contact with the island's more remote areas.

ARRL Emergency Preparedness Manager Mike Corey, KI1U, said arriving volunteers initially gathered at the Convention Center in San Juan, which is now serving as Puerto Rico Emergency Management Agency (PREMA) Headquarters. Their first night, a local church offered accommodations, he said, and volunteers slept on pews that had been pushed together.

BIARC's southern repeater takes road trip

Volunteers move unit to temporary sanctuary elsewhere in Ka'u



After two decades, our little repeater shed in Ka'u needed to find new digs. On Saturday, Sept. 30, club volunteers caravanned over, picked it up and transported it for safekeeping to a temporary home elsewhere in the district. A decision on its future location is pending.

Photos by Cory Allen, KN6ZU, and Gary Schwiter, WH6EPS



Team photo:

From left, Gary Schwiter WH6EPS, Tracy Desa WH6DYR, Paul Ducasse WH7BR, Officer Dane Shibuya, Peggy Gentle KE6TIS, Cory Allen KN6ZU, Blake Stene KH7MS, and crew. "A special thanks to Terry Shibuya for helping to organize the move," said WH6EPS, our BIARC president. "Most of us were able to enjoy a good lunch before heading off to Radio Day in Mountain View."

Hawaii DMAT responds to Hurricane Irma in Florida, with 5 amateur radio members deployed in support

By Stacy Holbrook, KH6OWL
ARRL Public Info Officer - Honolulu

The Hawaii DMAT team recently deployed to support the recovery efforts from Hurricane Irma in Florida. A DMAT team is a Disaster Medical Assistance Team and is a group of professional and para-professional medical personnel organized to provide rapid-response medical care or casualty decontamination during a terrorist attack, natural disaster, or other incident in the U.S.

The Hawaii DMAT Team included five members that are amateur radio operators supporting the communication efforts. The team returned to Hawaii Sept. 20.

The five amateur radio operators that mobilized with the HI DMAT Team to Florida consisted of: Toby Clairmont – KH7FR; Bart Aronoff – KH7C; Jack Tsujimura- KH6DQ; Jasyon Kohama – WH6BXX; Carter Davis- KH6FV.

The team helped stand up a medical surge facility so residents could be treated and continued to run the facility until they were relieved by PA-1 DMAT. Because of the difficulty of getting flights to Atlanta, GA from Hawaii, the team departed Hawaii on September 5 & 6. Atlanta was our first staging point then we drove 6 vans to Orlando and then flew out of Orlando into Key West. Lots of logistics with people and cache of equipment. The DMAT team flew out of Orlando and into Key West on 2 USCG C-130s and were the



The Hawaii DMAT team in Key West, Florida, in support of Hurricane Irma victims in September.

first outside federal resource to arrive. Two C17s flew in with the team's cache from Virginia. Initially they had no power (the team had generators), zero to limited running water, no showers, only MREs and no internet, no cell phone... just the stars at night and Dengue/Zika mosquitoes, Carter stated.

A Federal Force Protection team from Texas provided protection for the personal and the cache of supplies and pharmaceuticals. The first Satellite call out was, "how to get an ice machine running?" We got it going and boy does cold water go down better than warm water. The team left a lot of aloha there, Carter stated.

Hawaii DMAT is also known as Kalawao Rescue within the State of Hawaii; a nonfederal configuration of the team that provides enhanced services to the State of Hawaii. Kalawao Rescue is administered by HAH Emergency Services, a division of the Healthcare Association of

Hawaii, deploys emergency response teams Hawaii DMAT for casualty care, aeromedical transport, medical surge and incident management.

Hawaii DMAT is a trained corps of medical professionals who respond to calls for medical surge, disaster and humanitarian assistance throughout the U.S. and the Pacific Region. There are currently more than 75 members. Hawaii DMAT provides on-scene high acuity casualty care services within 2 to 4 hours of request.

Thanks to Carter, KH6FV, for providing the information and to him and the team for their support of this effort.

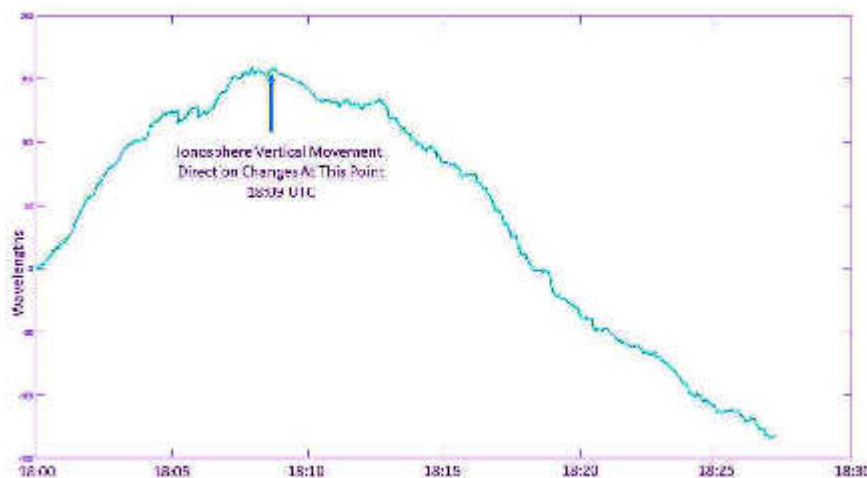
(Get Hawaii DMAT team fact sheet at: <http://health.hawaii.gov/injury-prevention/files/2015/11/FACT-SHEET-Hawaii-DMAT-SEPT-2015.pdf>)

Amateur radio emergency net active in wake of quake in Central Mexico

The FMRE National Emergency Net (Red Nacional de Emergencia or RNE) activated Sept. 19 on 7.060 MHz following a magnitude 7.1 earthquake in the central Mexico state of Puebla at 1814 UTC. The epicenter was some 75 miles southeast of Mexico City, which also felt the temblor and suffered damage.

FMRE President Alfonso Tomez, XE2O, said participation from Mexican radio amateurs has been excellent, and two mobile communication units have been deployed, one south of Mexico City, where communication problems have been reported, and the other in communities surrounding the city, where communication problems exist. A FMRE representative has been stationed in the emergency operations center in Mexico City as well. Most of the traffic, Tomez said, has involved missing persons.

Tomez said communication problems persist because of the heavy volume of calls and message traffic over the cell telephone networks. Around 300 people have been killed and 30 buildings collapsed, he said. The earthquake came 32 years to the day after a 1985 magnitude 8.0 earthquake struck Mexico City, killing some 9,500 people in and around the capital city. Just one week before the latest quake, a magnitude 8.1 earthquake struck off Mexico's southern coast, killing more than 60 people and causing considerable damage.



Preliminary evidence: Aug. 21 solar eclipse had a significant effect on HF propagation

At the 36th annual ARRL and TAPR Digital Communications Conference (DCC) Sept. 15-17 in St. Louis, members of the HamSCI group presented preliminary evidence that the Aug. 21 solar eclipse had a significant effect on HF propagation. The DCC is geared toward technically minded amateur radio operators who specialize in building and designing hardware and software to support digital communication and radio.

In their presentation, "HamSCI and the 2017 Total Solar Eclipse," HamSCI members Nathaniel Frissell, W2NAF; Bill Engelke, AB4EJ; Josh Katz, KD2JAO;



Spencer Gunning, K2AEM, and Josh Vega, WB2JSV, showed initial results of the Solar Eclipse QSO Party (SEQP) and other HamSCI eclipse experiments. Their presentation demonstrated that the number of 14 MHz Reverse Beacon Network spots decreased, while the number of 1.8 MHz and 3.5 MHz spots increased during the eclipse totality. They say this suggests a decrease in both maximum usable frequency and D-layer absorption during the eclipse.

Hurricane redux: Amateur radio fires up for Maria

Caribbean island residents and the amateur radio community hardly had a chance to catch a breath from Hurricane Irma, as recovery operations continue, before Hurricane Maria was knocking on the door. The Hurricane Watch Net (HWN) activated September 18 on 14.325 MHz and on 7.268 MHz.

The VoIP Hurricane Net activated the same day to track Hurricane Maria and its potential impact in the Caribbean. WX4NHC, the Amateur Radio Station at the National Hurricane Center, activated to receive weather information from both nets, while the Caribbean Emergency Weather Net (CEWN) was called up on September 18 on 3.815 MHz (and/or 7.188 and 7.182 MHz as propagation dictates) to provide round-the-clock coverage during the passage of Hurricane Maria and in the storm's immediate wake.

The Federal Emergency Management Agency (FEMA) opened 60-meter interoperability nets on September 19, using Channel 1, 5.330.5 MHz (primary voice traffic) and Channel 2, 5.346.5 MHz (digital traffic).

The Salvation Army Team Emergency Radio Network (SATERN) has been on Delta II extended monitoring status on its 14.265 MHz frequency. "Although the US Virgin Islands were heavily damaged, it was apparent that they had some limited communications capabilities and other resources," SATERN National Liaison Bill Feist, WB8BZH, said on September 21.

"Puerto Rican operators reported that there was an island-wide power and communications blackout. It was reported that amateur radio seemed to be the only communications that were



operational, and that was somewhat limited, as many 2-meter repeater systems were still not operational."

Maxim Memorial Station W1AW at ARRL Headquarters supported the communication response to Hurricane Maria, monitoring the HWN, SATERN, the VoIP Hurricane Net, and the Caribbean Emergency Weather Net (CEWN), as well as checking Winlink2000 e-mail and providing interoperability support by keeping various frequencies open for hurricane traffic. The station was staffed around the clock during the communication emergency.

Visit the ARRL website for updates on Hurricane Maria

and Hurricane Irma news and information, as well as the ARRL news page.

In Puerto Rico and on Dominica, amateur radio was about the only form of communications working in most areas.

"All power lines are down, our telephone lines are down, internet lines, everything is down," came a report early on from Dominica.

In a damage account relayed from Roseau, Dominica: "Trees down, river has flooded half the village, cars are all over, most houses have lost their roofs or are destroyed (and ... 'devastation is total.')

The letter

**Monday, September 25,
from ARRL president**

Dear ARRL member:

There are few times when I have needed to reach out directly to you for your help. This is one of those times.

The American Red Cross (ARC) has asked ARRL for assistance with relief efforts in Puerto Rico. In the nearly 75-year relationship between ARRL and ARC, this is the first time ARC has made a request for assistance on this scale. Hurricane Maria has devastated the island's communications infrastructure.

Without electricity and telephone, and with most of the cell sites out of service, millions of people are cut off from communicating. Shelters are unable to reach local emergency services and people cannot check on the welfare of their loved ones. The situation is dire.

How can you help?

1) Volunteer. ARC needs up to 50 radio amateurs who can help record, enter, and submit disaster-survivor information into the ARC Safe and Well system. There are very specific requirements and qualifications needed for this deployment; for instance, familiarity with Winlink, an Amateur Radio license of General class or higher, and previous experience in disaster response. Deployment will be for up to 3 weeks (at ARC expense). If you would like to be considered for deployment, please complete the following online ARRL form, which asks for your qualifications and skills: Volunteer Deployment Form



**Rick Roderick,
K5UR
ARRL President**

2) Donate to Ham Aid. ARRL's Ham Aid program loans Amateur Radio equipment kits to established Amateur Radio Emergency Service (ARES®) groups and partner agencies during disaster response, in order to establish Amateur Radio communications support. Ham Aid is supported by donations from individuals and corporations – including many of our ham radio industry partners. ARRL has previously staged Ham Aid equipment in Texas, and in the last few weeks, we have supplied kits in Florida, the U.S. Virgin Islands, and Puerto Rico. Our supply of Ham Aid kits has been rapidly depleted. Your donation to Ham Aid will help us now. Your contributions to Ham Aid are 100% tax deductible. To make a donation online, go to www.arrl.org/arrl-donation-form and select "Ham Aid" from the ARRL donation form. To donate by mail, print a donation form, and mail it with

your check payable to ARRL, noting "Ham Aid" on the memo line of your check; mail to ARRL, 225 Main Street, Newington, CT 06111 USA.

It has been four weeks since Hurricane Harvey made landfall in Texas. In little over a month, Hurricanes Harvey, Irma, and Maria have left paths of destruction and catastrophic flooding that will impact the lives of people throughout the southeast U.S. and Caribbean for years to come. Throughout these disasters, our trained ham radio volunteers, and especially those in coordinating roles, have helped us meet the requests of our partner agencies and organizations. To all ham radio operators who have been on alert, activated, deployed, or donated, THANK YOU. We are grateful for your service and for your generosity.

**73,
Rick Roderick, K5UR
ARRL President**

Laupahoehoe ham deploys

As you may be aware the Red Cross reached out to the ARRL in an unprecedented request and asked for 50 amateur operators who could deploy to Puerto Rico. An operator from the Hawaii has deployed in support of that mission, Bill Kollenbaum, KH7XS / K4XS of Laupahoehoe. Lloyd Cabral, KH6LC, let us know about the deployment. And Holly, WH7YL, the wife of Bill KH7XS / K4XS, let us know that he is on the island of Culebra and is safe. He is expected to return to Hawaii on the 18th of October.

To read more about this story please visit the link below. Upon Bill's return we hope to do a more detailed story of his mission. (<https://oahuarrrlnews.wordpress.com/2017/10/01/big-island-operator-deploys-to-puerto-rico-for-arrrl-and-red-cross/>)

Stacy Holbrook, KH6OWL

**ARRL Public Information Officer -
Honolulu**

<https://www.facebook.com/Hawaii-ARRL-319960095044617/>

<https://oahuarrrlnews.wordpress.com/>

https://twitter.com/PAC_SECTION

Requests, response unprecedented

There's a lot going on in the Amateur Radio community supporting communications for Texas, Florida, Mexico and especially Puerto Rico where communications infrastructure was wiped out by Hurricane Maria.

You may all know, at the request of the Red Cross, the ARRL has helped deploy 50 (fifty) Amateur Radio operators with equipment to



ARRL Puerto Rico Section Manager Oscar Resto, KP4RF, with an ARC volunteer.
[Photo courtesy of KP4RF]

the battered island. Several Hawaii hams have volunteered and are on backup if commercial communications recovery takes longer than expected.

Hawaii ARES got involved in support of one Maui family looking for news about relatives in Puerto Rico. It got the attention of the "Hawaii News Now" 10-o'clock new show Sep 28th. In case you missed it, the video clip is available on YouTube at <http://youtu.be/ui1q1RRbXBU>.

Tom Gallagher (NY2RF), ARRL CEO, was interviewed via Skype covering the ARRL deployment to Puerto Rico. Darren (Stacy) Holbrook (KH6OWL), ARRL Pacific Section PIO (Public Information Officer), appeared in the story from his home QTH station and explained his involvement in helping the Maui family.

The weather and seismic activity in North America

should be a reminder to all of us of the importance of being ready for the next big event that affects Hawaii. Like Puerto Rico, the Hawaiian Islands cannot be supported by ground transportation from neighboring organizations.

Communications to the mainland would be an even bigger problem for us. Organized HF to VHF communication nets will be important, especially if Internet is out of service.

This coming October 21st, the ARRL Pacific Section ARES will host our annual SET (Simulated Emergency Test). All Amateurs are invited to participate. It is an opportunity to exercise equipment and practice communication procedures. This year we have two scenarios being practiced – reporting on tsunami damage immediately after the event and relaying health and welfare traffic to mainland stations in Oregon.

Continued on next page

Contact Clem Jung (KH7HO), ARRL Pacific Section SEC (Section Emergency Coordinator) at kh7ho@arrl.net to learn how you can get involved. Follow on Facebook at <http://www.facebook.com/HawaiiARRL> or our blog at <http://oahuarrlnews.wordpress.com/>.

Put the SET on your calendar and help us be better prepared!

Aloha es 73,

ARRL Pacific Section

Section Manager Joseph Speroni,

AH0A

ah0a@arrl.org

"Force of 50" steps up to assist hard-hit areas

Members of the Amateur Radio community have volunteered to assist in the ongoing recovery from Hurricane Maria, which devastated Puerto Rico and Dominica and, to a lesser extent, the US Virgin Islands.

Fifty of the most accomplished US radio amateurs responded within 24 hours to a call from the American Red Cross (ARC) to deploy to Puerto Rico and provide emergency communications assistance there. At the ARC's request, ARRL rallied the US Amateur Radio community to provide up to 25 two-person teams of highly qualified hams. ARRL CEO Tom Gallagher, NY2RF, said that more than 350 answered the call, from nearly every state.

"This generous outpouring of response represents the finest

qualities of the Amateur Radio community," he said. "These individuals are dropping whatever they are doing now, heading off to an extended hardship-duty assignment, and offering their special talents to Americans who have been cut off from their families, living amid widespread destruction and without electrical power since Hurricane Maria struck the Caribbean region last week."

The group's principal mission will be to move health-and-welfare information from the island back to the US mainland, where that data will be entered in the Red Cross Safe and Well system.

The Salvation Army Team Emergency Radio Network (SATERN) has been asked to assist these operators when they check in with tactical, health-and-welfare (H&W), and Safe and Well messages.

SATERN and other active nets are not accepting incoming H&W inquiries. The Caribbean Emergency and Weather Net (CEWN) is taking incoming H&W inquiries via e-mail for Dominica. The Puerto Rico Federal Affairs Administration (PRFAA) is taking inquiries (only one per sender) via e-mail for Puerto Rico. Inquiries should include the full name and location of both the sender and the individual(s) being sought and the sender's e-mail address. The group will be in Puerto Rico for up to 3 weeks. ARRL has equipped each team with

an HF transceiver, software, a dipole antenna, a power supply and all connecting cables, fitted in a rugged waterproof container. In an unprecedented and crucial move, the Federal Emergency Management Agency (FEMA) agreed to help get the Ham Aid gear to Puerto Rico.

The League also is sending two VHF repeaters, a dozen hand-held transceivers, five mobile radios, what Gallagher described as "5 cubic feet of batteries," a number of small 2-kW portable generators, and solar-powered battery chargers. The hams and their equipment will be sent to Red Cross shelters extending from San Juan to the western end of the island.

In addition, ARRL has committed to purchasing up to \$50,000 worth of new Ham Aid gear for this and for future emergencies.

ARRL's Emergency Preparedness Manager Mike Corey, KI1U, said this was the first time in the nearly 75-year relationship between ARRL and the ARC that such a request for assistance had been made. "Hurricane Maria has devastated the island's communications infrastructure," Corey said.

"Without electricity and telephone, and with most of the cell sites out of service, millions of Americans are cut off from communicating. Shelters are unable to reach

From previous page

local emergency services. And, people cannot check on the welfare of their loved ones. The situation is dire."

The Yasme Foundation has made a grant to ARRL's Ham Aid fund, in support of the Amateur Radio response to the recent hurricanes in the US and Caribbean. The Ham Aid fund was created in 2005 in response to the need for equipment and resources to support the Amateur Radio response to hurricanes Katrina, Rita, and Wilma.

How You Can Help

ARRL President Rick Roderick, K5UR, has asked for contributions to the Ham Aid fund. "Equipment has been flying out the door since Hurricane Harvey struck the US mainland," he emphasized. "From meeting requirements in aid of Hurricane Irma victims in the US Virgin Islands and Florida, our store of Ham Aid kits has been depleted."

ARRL has previously staged Ham Aid equipment in Texas and supplied kits to Florida, the US Virgin Islands, and Puerto Rico. Contributions are 100% tax deductible. To donate online, select "Ham Aid" from the ARRL donation form. To donate by mail, print a donation form, and mail it with check payable to ARRL, noting "Ham Aid" on the memo line. Mail to ARRL, 225 Main St., Newington, CT 06111.



Albert Haped, V63YAH, and Carl Halstead, silent keys

We are sorry to report that Albert Haped, V63YAH, passed away in his sleep Tuesday, Oct. 3, at age 64. He was an ARRL member and one of the "people on the other end" of daily contacts to the Federated States of Micronesia (FSM) that recipients of the ARRL International Humanitarian of the Year, KH6DLK, NH7FY and AH7G, make almost daily. (FSM is on the other side of the dateline so he passed Monday evening Hawaiian Standard Time.) He is survived by his wife Gloria, sons Chester and Kenneth, daughter Zilla and extended family.

Albert was certified during an Amateur Radio class held by John Bush, KH6DLK/V63JB, and licensed directly by FSM. He was an Island Chief of Mangyang Island, one of the islands surrounding Ulithi Atoll. He was a retired teacher at Federai Elementary School, which is located on one of the islands of Ulithi Atoll in Yap State. During WW2 Ulithi was a main base for United States naval operations.

He was active during the

recent typhoon Maysak, that hit FSM, and especially during the recovery. His school and home took damage. However, because of the forewarning transmitted by Amateur Radio, he and others were able to prepare. For example, people and the school supplies were relocated to a hard shelter during the storms. Albert loved to read and rag chew. He especially liked the books, QST and CQ magazines that were donated.

We are also sorry to report that former BIARC member Carl D. Halstead passed away at the Yukio Okutsu State Veterans Home in Hilo on Wednesday, Sept. 20, at age 74.

Carl's former call was NH6PI, which expired in 2003. He retired as a Lt. Colonel in construction battalions in several services and served tours overseas including Korea and Vietnam. He also worked for and retired from HELCO as a superintendent in the Technical Division. He was a licensed Electrical Engineer. An intimate and private service was held and ashes will be scattered at a later date.

-- Bob Schneider, AH6J

Big Island Amateur Radio Club

Meeting Minutes

September 9th, 2017

I. Call to order:

Gary Schwiter called to order the regular meeting of the Big Island Amateur Radio Club at 1405 hrs. HST, September 9th, 2017 at the Keaau Community Center

II. Roll call

Angelina Schwiter conducted roll call.

The following club officers/directors were present:

Gary Schwiter, Angelina Schwiter, John Bush, Barbara Darling, Richard Darling, Bob Schneider, and Paul Ducasse,

The following club officers/directors were absent:

Bill Hanson, Peggy Gentle, Cory Allen, Kim Fendt, Gus Treewater

III. Announcements

A) A VHF/UHF Simplex Event (Grid Madness) will be held on September 17th from 1300 to 1700 HST. For more information go to

<http://gridmadness.blogspot.com/>

B) There will be a CERT training in keaau on October 14, 21, 28 and November 4th. All the October trainings will be at Keaau High. N class will be held at keaukaha military reserve.

C) A 2nd Radio day by Puna Emergency Radio Club (perc) will be Kopua farm lots Saturday Sept 30th

IV. Approval of minutes

Angelina Schwiter read the minutes from the August 2017 meeting were approved as read.

V. Committee Reports

Still in the planning process for nominations.

VI. Old business

A) The new BIARC T-shirts will be hopefully here by next r

VII. New Business

VIII. Training

A. Les, John and Tom had a great training on the Mag I training was informational and provided a hands on listen in on the afternoon 40 Meter net.

IX. Adjournment

Gary Schwiter adjourned the meeting at 1600 hrs. HST.

Next meeting October 14th, 2017

I certify that these minutes are true and correct.

Angelina Schwiter, Secretary

IARU Administrative Council considers new radio spectrum pollution threat

The Administrative Council (AC) of the International Amateur Radio Union (IARU) believes high-power wireless power transfer (WPT) for electric vehicles has significant potential to interfere with radio communication.

That assessment came as the AC met Sept. 15-16 in Landshut, Germany, immediately prior to the IARU Region 1 Conference, to

review its priorities and positions with regard to the 2019 World Radiocommunication Conference (WRC-19).

Conference Agenda Item 9.1.6 would call for studies in advance of WRC-23 to assess the impact of WPT for electric vehicles on radiocommunication services and to study suitable harmonized frequency ranges to minimize its impact. The AC determined that addressing the threat requires an increased

commitment of resources by potentially affected radiocommunication services, including amateur radio.

The WPT issue came up at the meeting of CEPT WRC Project Team D in Vilnius, Lithuania, the week of Sept. 11. At that gathering, IARU addressed the impact of spurious emissions from proposed high-power WPT systems.

Amateur Radio Emergency Service ARRL Simulated Emergency Test (SET)

This year's Hawaii annual SET will begin on Saturday, Oct. 21. The purpose of this year's exercise is to assess the capability of amateur radio operators to provide communications in the aftermath of a tsunami resulting from a 9.2 moment earthquake resulting in the Great Aleutian Tsunami causing disastrous damages to all four counties in the State of Hawaii.

The year's SET will consist of two parts:

- Part I, will be on Saturday from 8 a.m. to 1 p.m. HST. It will focus on sending priority simulated traffic from the field to simulated county emergency operations centers (EOCs). This traffic includes situation report

(SITREP), damages reports, and any requests for assistance (RFA). The simulated county EOCs in turn will summarize the individual SITREPs and damage reports, and any RFA, the county cannot fulfill, to the State EOC.

- Part II will begin immediately afterward and run until 12:59 p.m., Sunday, Oct. 22. Normally 72 hours after a disaster event occurs, government communications are restored and Amateur stations can assist in other ways, such as handling health and welfare traffic that cannot be handled by government agencies. The Pacific Section will encourage Hawaii stations

to pass Winlink traffic for a simulated posting to the Red Cross web site by a State of Oregon Amateur radio station. The SET simulation assumes stations participating have lost internet access and forward "Safe and Well" messages for web site posting by KF7RSF.

We encourage all Amateur radio operators to participate in this year's SET. For additional questions, please contact the ARES District Emergency Coordinator for your county/district or Clem Jung (KH7HO), Pacific ARES Section Emergency Coordinator at kh7ho@arrl.net.

-- Joseph Speroni (AH0A)



*******2017 BIARC leadership*******

President Gary Schwiter, wh6eps@gmx.com; Vice President Peggy Gentle, radiopeg@gmail.com; Secretary Angelina Schwiter; Treasurer Paul Ducasse, ducasse@hawaii.rr.com; directors Cory Allen, KN6ZU@yahoo.com; Barbara Darling, nh7fy@yahoo.com; Richard Darling, ah7g@yahoo.com; Kim Fendt, wh6kim@gmail.com; Bill Hanson, whanson@co.hawaii.hi.us, and Bob Schneider, ah6j@arrl.org; Program Co-Chairs John Bush, amsjbush@gmail.com, and Les Hittner, lhittner@hbc.com. (**Big Island Amateur Radio Club. P. O. Box 1938, Hilo, HI 96721-1938**)



Irene Kubica, NH7PE, is an avid participant in 10-meter activity and encourages hams at all levels to join in the fun.

Upcoming events

Tue Oct 10, 2017 00:00

[SPRINT](#)

Sat Oct 21, 2017 00:00 -

Sun Oct 22, 2017 23:59

[FALL CW](#)

Sat Nov 11, 2017 00:00 -

Sun Nov 12, 2017 23:59

[FALL DG](#)

Mon Jan 01, 2018 00:00

[10-10 Anniversary](#)

Mon Jan 01, 2018 00:00

[10-10 Meet the Volunteers](#)

The 10-10 Connection

with NH7PE,

10-10 Aloha Chapter

Ten-Ten Sprint

Party starts October 10



**Be sure to check
www.ten-ten.org for
details**

Have a hankering for rag-chewing?

Check into the daily (except Sunday) SSB nets at 8 a.m. HST on 28.380 and 28.800MHz. They are called from Illinois, California, Arizona, Florida, North Carolina and Michigan. Try them out.

Remember: You have to make contacts to get results!

Ten-Ten International QSO Parties

For those who join in the Ten-Ten QSO Parties, remember: You can assign your score to the Aloha Chapter. Logs must be postmarked no later than 15 days after the respective QSO Party.

To see what's open on 10 meters, listen to the beacons from 28.175-28.300 so you will know where DX is coming from.

The Ten-Ten International News has reprinted several antenna articles by L.B. Cebik (SK), W4RNL #41159.

Ten-Ten International pins are available for purchase at \$2 each. See www.ten-ten.org for details.

CW news: FISTS Get Your Feet Wet Activity Day! Every third Sunday from 0001 to 2400 UTC on 80 and 40 meters (3.558-7.110 MHz); exchange name, QTH, FIST #, RST.