

June 2017 Newsletter

Big Island Amateur Radio Club

Repeater Committee at work

Crew makes house call in Naalehu

It couldn't have been a nicer day for a drive on Wednesday, May 17, as a crew from the BIARC Repeater Committee headed over to Ka'u to do some maintenance on the radio hut for the Naalehu repeater.

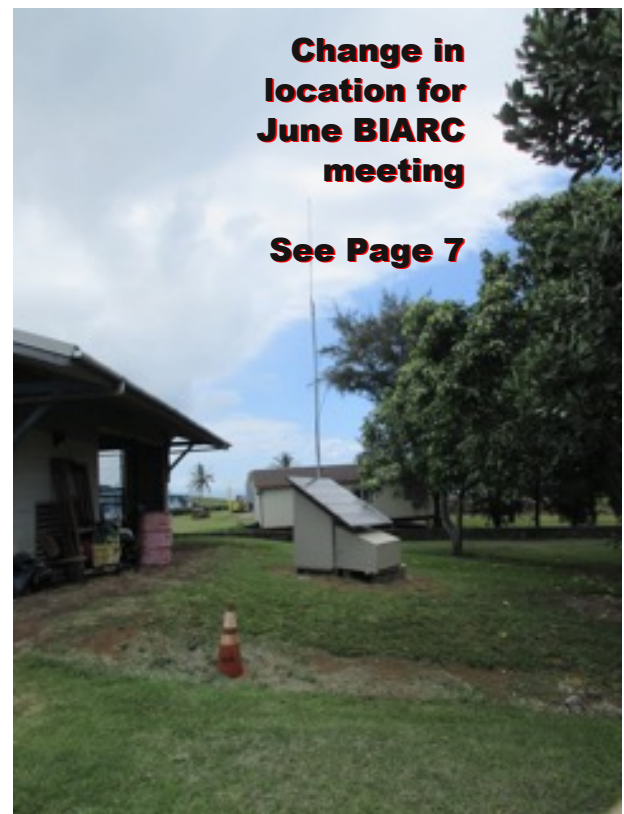
Dean Witt Jr. (WH6ELR), Cory Allen (KN6ZU), and Peggy Gentle (KE6TIS) rode down to Na'alehu with Paul Ducasse (WH7BR).

The radio is not

currently in place, as it is still on the test bench with Lopaka Lee (WH6DYN). He and Ducasse are working on the unit.

The hut refurbishment went fast, and included painting and new hardware. The antenna SWR was good. Everyone enjoyed a meal at Punalu'u Bakery afterwards, thanks especially to Paul and Glenn Kadota (AH6IO) for a great lunch.

Photos by Peggy Gentle



**Change in
location for
June BIARC
meeting**

See Page 7



An array of operating techniques and equipment was featured at the late April Radio Day hosted by ARES at the Eden Roc Community Center in Mountain View.

BIARC to join PERC, ARES at Mountain View Field Day

This year BIARC members voted to join other East Hawaii radio clubs in attending the Puna Emergency Radio Club Field Day event June 24-25 at the Eden Roc Community Center, the same venue as the April 29 East Hawaii ARES Radio Day.

ARRL Field Day programs are held across the United States and Canada on the last full weekend each June. ARRL officials report that the "official colors" this year are red and white.

Hams and non-hams alike are invited to stop by at any time

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**Radio Day
a hit in
Mountain
View ...**

Photos by Kim Fendt



FIELD DAY: From Page 2

during the 24-hour communications, info-sharing and rag-chewing event from 8 a.m. Saturday to 8 a.m. Sunday. Watch and/or join operators in searching for contacts on various bands. Try new equipment. Basic setup will be Friday afternoon. As reported earlier, BIARC will rent a port-a-potty for the three days.

Field Day is always a good chance for new operators to get their feet wet. And, if you know someone interested in getting licensed, please bring them along as well. Coordinators promise a good, fun, stress-free time.

Bob Gomez, KB6EGA, is chairing Field Day, with Rick Gardner, WH6LU, as vice chair. Peggy Gentle, KE6TIS, heads up the food committee and invites attendees to kokua by bringing potluck items to share throughout the 24 hours. Contact her at radiopeg@gmail.com. A potluck lunch will be at noon, and a potluck dinner at 6 p.m. on Saturday.

Coordinators invite volunteers to help with setup at 3 p.m. Friday and/or take-down duties at 9 a.m. Sunday, along with assorted roles during the event. And the loan of some equipment is being arranged, said Gomez. If you have any of the following materials, and/or would like to help in some way, please contact him at bbg691@yahoo.com.

Tents: Need two 20-by-10 and/or 20-by-20 tarps to protect equipment from the elements; they'll be tied off the side of the roof. Also: five popup tents.

Tables: Logistics call for as many as 15 tables (at least eight 6-footers at a minimum), which will be used for equipment, operating, info, food, cooking, communications.

Power: Generators for food, etc., including recharging batteries; solar panels; at least two 100-foot exterior heavy-duty extension cords;

Other equipment: Coax cable, 50-100-



**... more
ARES Radio
Day pix from
April 29**

feet in length, to keep antennas away from structures.

The Field Day schedule will include a Saturday morning "Breakfast with Hams." A series of hour-long workshops between 8-11 a.m. and 1-4 p.m. on Saturday will begin at the top of each hour. Among the topics will be "Taking control," an overview of how to be an effective Net Control Station. If you'd like to give a short training session, contact Kim Fendt at wh6kim@gmail.com. It would be fun to have a session for keiki.

VHF 146.520 will be the Field Day talk-in frequency. Throughout the

event, a GOTA (Get On The Air) station will be run on HF. A 446.500 simplex station will be included.

How to get there: Turn off the Volcano Highway onto South Kopua Road, a mile or so above Mountain View. Drive on South Kopua until you pass two entrances to the Kopua Farm Lots, on the left. Almost immediately, you'll see the Eden Roc Estates sign. Drive into the subdivision and take the first left. Drive until you see the No. 8 painted on the street and the Ahi Street road sign on the right. Turn right onto Ahi and go a short way until you reach the community center, on the left.



Mike Reilly of NWS, above. Harvey Motomura, AH6JA, at right.

NWS preps new recruits for its network of volunteer 'spotters'

The primary directive of the National Weather Service is "to protect life and property."

In support of this mission, the NWS recruits and trains civilian volunteers to report specific weather conditions as they spot them.

"We need eyes on the ground," explained NWS Meteorological Technician Mike Reilly at the May 13 BIARC meeting. Reilly conducted a SKYWARN Spotter training class for BIARC, Community Emergency Response Team volunteers and the general public.



SKYWARN Ham Radio Coordinator Harvey Motomura, AH6JA.



About one third of NWS warning decisions nationwide are based on civilian reports from the field.

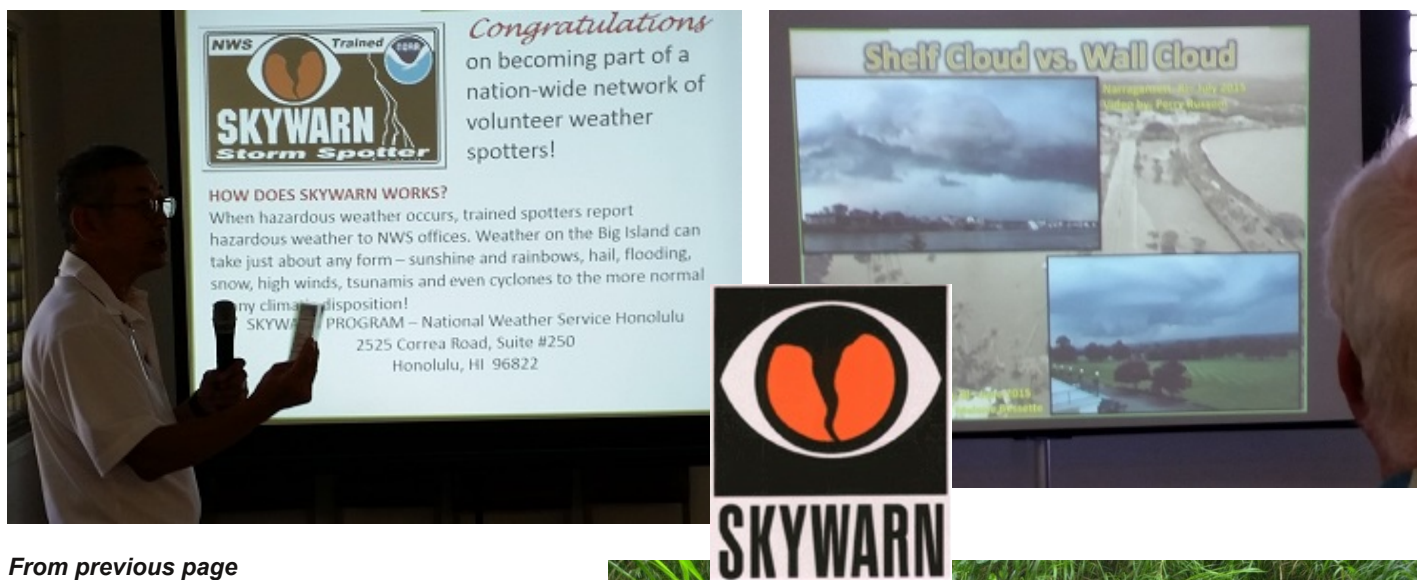
Photos by Linda Quarberg

About one third of NWS warning decisions nationwide are based on civilian reports from the field, Reilly told the packed meeting room at the Keaau Community Center.

"In order to best fulfill the National Weather Service's (NWS) mission of protecting life and property, we need trained spotters to help us identify and verify severe weather occurrences," say NWS officials. "Proper identification of weather phenomena aids the NWS in issuing the most accurate watches, warnings, and advisories."

With the assistance of Hawaii County SKYWARN Ham Radio Coordinator Harvey Motomura, AH6JA, the NWS is presenting its annual training/retraining of new and current SKYWARN Spotters for anyone who has never received official training or who would like refresher training. The next session will be Saturday, June 3, from 2-4 p.m. at the West Hawaii Civic Center in Kona. A third session will be held at the Ocean View Community Center, with details to be announced later. For more info, call the NWS Data Collection Office in Hilo at 933-6941; visit

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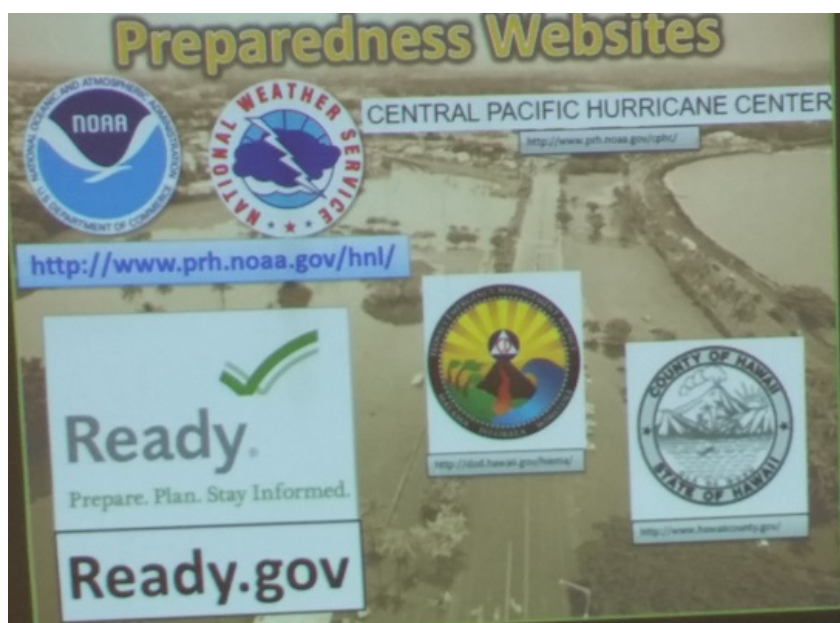
From previous page

<http://www.prh.noaa.gov/hnl/>. An online orientation class is offered, and recommended, for anyone planning to attend a training.

Motomura discussed "how we as ham radio operators interface with the National Weather Service." But he stressed the importance of first making use of traditional communications methods, such as the telephone. If the phones are working, don't putter around with ham radio. "Don't waste any precious moment," he urged, because lives are at stake when nasty weather brings abnormal phenomena such as hail, tornadoes, etc.



Special NWS SKYWARN Spotter class part of May meeting



CQ Contest Hall of Fame



Barbara Darling with Mike, her youngest son, at left; Dave K1TTT, in the yellow shirt and NRA hat, and daughter Judy, at right.

Dave Robbins, K1TTT, a BIARC member and son of Barbara Darling, has been inducted into the CQ Contest Hall of Fame.

Robbins is the builder and owner of a contest superstation in Western Massachusetts.

Soon after assembling his first contest station, he wrote in the introduction to his book, *Building a Superstation*: "I realized I was not a 48-hour iron pants operator and

decided to start doing multi-ops from here..."

For more than 30 years, Robbins has hosted legions of operators at his multi-multi station -- some veterans, some newcomers -- and willingly shared his knowledge and experiences, both in his building book and his annual Contest Cookbooks, distributed to members of the Yankee Clipper Contest Club, of which he is a past president.



Steve Doyle, WH7TW (seated), with visitors.

[Norm Cohler, NH7UA, photo.]

Hawaii hams at Keiki Fest

Members of the Kohala Hamakua Radio Club in Hawaii demonstrated amateur radio during the annual Keiki Fest in Waimea. The April 22 event was sponsored by the North Hawaii Community Hospital.

South Kohala Emergency Coordinator Norm Cohler, NH7UA, and South Kohala AEC Steve Doyle, WH7TW, staffed the booth. An Icom IC-706 and a Buddipole were set up on 40 meters to demonstrate regional communication.

Although band conditions were poor, they made a few contacts, including those with Hamakua EC Rick Bowen, AH6RK, and North Hawaii DEC Eric Grabowski, KH6CQ. They also contacted a few stations on the 147.32 MHz repeater at NHCH.

"As usual, one of the biggest draws this year was Norm's demonstration of Morse code, using a code practice oscillator," Grabowski said. "As he keyed 'HI' and 'SOS' repeatedly, interest picked up and, at times, there was a line of four or five keiki waiting their turn to send their names in Morse code."

*****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@arri.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*)

Temporary BIARC meeting site



Due to the Keaau Community Center being under renovation into July, President Gary Schwiter has arranged for the club to meet temporarily in the nearby Shipman business park at the Keaau offices of the Big Island Substance Abuse Council at 16-179 Melekahiwa St. See map, above. The meeting will be at 2 p.m. Saturday, June 10, with Pascal Nelson, AC7N, scheduled to give a presentation.



Big Island Amateur Radio Club Meeting Minutes May 13, 2017

I. Call to order:

President Gary Schwiter called to order the regular meeting of the Big Island Amateur Radio Club at 14:08 hrs. HST at Keaau Community Center.

II. Roll call: Angelina Schwiter conducted roll call. The following club officers/directors were present: Gary Schwiter, Angelina Schwiter, Peggy Gentle, Paul Duccasse, Kim Fendt, Barbara Darling, Richard Darling. The following were absent: Bob Schneider, Gus

Treewater, Bill Hanson, John Bush, Cory Allen.

III. Announcements:

a) Treasurer's Report:

\$2,264.09 in bank, \$226.22 T-Shirt orders = \$2,037.87 approximate balance as of May 13, 2017.

b) Field Day: East Hawaii's 2017 ARRL Field Day will be Saturday and Sunday, 24-25 June, with setup Friday the 23rd at the Eden Roc Park in Mt. View on Road 8.

IV. Approval of minutes

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

V. New business

a) Skywarn Training:

Skywarn is a volunteer program with nearly 290,000 trained severe weather spotters. These volunteers help keep their local communities safe by providing timely and accurate reports of severe weather to the National Weather Service. Harvey Motomura AH6JA and Mike Reilly from NWS provided a training to educate the community.

Adjournment: Gary Schwiter closed the meeting at 15:34 hrs. HST.

I certify that these minutes are true and correct.

Angelina Schwiter, Secretary



280 hams work the nets



Nearly 280 Amateur Radio volunteers turned out to assist with communications for the annual Boston Marathon, above.

At right, operators are hard at work in the State Emergency Operations Center.

Jim Palmer, KB1KQW, photos

Amateur Radio volunteers support 2017 Boston Marathon

On April 17, nearly 280 Amateur Radio volunteers participated in the 2017 Boston Marathon, the 121st running of the event organized by the Boston Athletic Association (BAA). Warmer-than-typical temperatures for the Patriots' Day race raised concern for increased medical issues, but lower humidity and some cloud cover later in the afternoon mitigated



the potential for problems.

Amateur Radio's primary communication role involved logistics.

Operations included

relaying medical resupply requests, picking up runners via medical sweep buses, conveying

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They're back! Midway, Kure reinstated as DXCC entities

The ARRL DXCC desk has reversed its March 31 decision deleting Midway Island and Kure Island from the DXCC entities list due to expansion of Papahānaumokuākea Marine National Monument.

After further review, ARRL officials found that the deletion of Midway and Kure island

entities was not supported by changes made to the relevant administrations. Therefore, the deletions from the DXCC list should not have occurred, and the two entities, Midway Island KH4 and Kure Island KH7K, have been returned to the DXCC list as separate entities.

Formerly known as the

Northwestern Hawaiian Islands Marine National Monument, the area now includes the Midway Atoll National Wildlife Refuge and the Battle of Midway National Memorial, the Hawaii State Seabird Sanctuary at Kure Atoll, and the Northwestern Hawaiian Islands State Marine Refuge.

medical statistics as required by the Red Cross and Massachusetts Department of Public Health, and providing situational awareness as needed along the entire 26-mile route. Amateur Radio also backed up EMS communications, and the team relayed several ambulance requests along the route. Brett Smith, AB1RL, one of the BAA Organizational Committee representatives, said Marathon organizers were very pleased with the efforts of the hams.

"Congratulations to everyone on a job very well done," Smith said afterward. "We were braced for a busy day, and our preparation helped see us through to make sure it was never anything we couldn't handle." Smith said that many volunteers enjoyed spending their day supporting the Marathon this year.

"We've been seeing e-mails from our volunteers thanking us for our work too. So the work was appreciated not only by organizers from the BAA, but the volunteers as well," he said.

Course volunteer Matt Knowles, KC1AEI, was among them. "I feel like Amateur Radio plays an important role in the safety and security of the Boston Marathon," he said. "Our net operators were succinct, clear, and very patient as we took care of our individual responsibilities on the course. All of the communications volunteers put forth a unified effort, which made for another successful race."



***Inexpensive
Family Radio
Service
handhelds are
widely available.***

FCC Personal Radio Service revisions will affect GMRS, FRS, CB, other Part 95 devices

Soon it will be legal for CBers to work DX on 11 meters. In a lengthy Report and Order (R&O) in a proceeding (WT Docket No. 10-119) dating back 7 years, the FCC has announced rule changes affecting the General Mobile Radio Service (GMRS), the Family Radio Service (FRS), the Citizens Band Radio Service (CBRS or "CB"), and other applications that fall under the FCC's Part 95 Personal Radio Services (PRS) rules and regulations. Part 95 devices typically are low-power units that communicate over shared spectrum and, with some exceptions, do not require a license.

"This draft Report and Order completes a thorough review of the PRS rules in order to modernize them, remove outdated requirements, and reorganize them to make it easier to find information," the

FCC said in a summary attached to the R&O.

GMRS and FRS devices are used for personal communication over several miles; compact FRS handhelds, often sold in pairs, are widely available. While GMRS and FRS share spectrum, GMRS provides for greater communications range and requires an FCC license; FRS does not.

"The rules will increase the number of communications channels for both GMRS and FRS, expand digital capabilities to GMRS (currently allowed for FRS), and increase the power/range for certain FRS channels to meet consumer demands for longer range communications (while maintaining higher power capabilities for licensed GMRS)," the FCC explained.

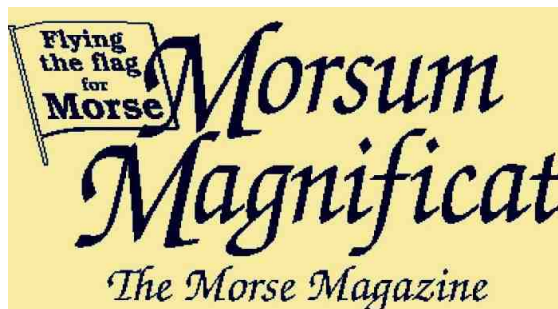
The amended rules eventually will eliminate combination FRS/GMRS radios for the most part, but allow up to 2 W PEP output for FRS transceivers.

Missing issues of Morsum Magnificat now available for free download

All copies of the English-language version of Morsum Magnificat, the Morse Magazine, are now available for free download from the website of Lynn Burlingame, N7CFO.

This includes the 89 issues published from 1986 to 2004. Mike Feher, N4FS, was able to provide the missing editions, which Randy Cole, KN6W, scanned for viewing. The 89 issues of Morsum Magnificat contain more than 4,000 printed pages, covering all aspects of Morse telegraphy.

The newly available downloads also include "The Story of the Key: The Best of MM-1," by Louise Ramsey Moreau, W3WRE,



which includes a list of American telegraph instrument makers from 1837 to 1900, compiled by Roger Reinke.

In addition, there's "Key WT 8 Amp Worldwide Survey: The Best of MM-2," by Tony Smith G4FAI, an updated and revised version of the 54-page booklet that provides information about the famous military Morse key, of which more than 100 versions were manufactured in six countries.

Also available: The MM Q & Z Codebook, (English), compiled by Rinus Hellemons, PA0BFN, and Dick

Kraayveld, PA3ALM, publishers of the original Dutch version of Morsum Magnificat. The codebook lists all Q & Z codes in their original applications, including a copy of the original single-page Q-code guide of 1912.

All copies of Morsum Magnificat or associated publications downloaded from the N7CFO website are for personal use only and may not be downloaded or distributed for any commercial purpose.

-- Thanks to Southgate Amateur Radio News via Tony Smith, G4FAI, co-founder of the English edition of Morsum Magnificat

Important notice: New MF and LF bands are not yet available to use!

The new 630-meter and 2,200-meter bands are not yet available for Amateur Radio use. The effective date of the recent FCC Report & Order (R&O) granting these allocations has not yet been determined, and until the start date has been set, it is not legal under an Amateur Radio license to transmit on either band.

The fact that the new rules contain a new information-collection requirement -- notification of operation to the United Telecoms Council (UTC) -- complicates the matter of

determining an effective date. According to the FCC R&O, the Office of Management and Budget (under the Paperwork Reduction Act) must first approve the information-collection requirements in §97.303(g)(2), which must be in place before radio amateurs can use the new bands.

Once that happens, the FCC will publish a notice in The Federal Register "announcing such approval and the relevant effective date," the R&O said. ARRL will announce the UTC notification procedures and the effective date to use these new bands as soon as these are known.

Youngsters on the Air (YOTA) set for UK

The seventh Youngsters on the Air (YOTA) conference will take place Aug. 5-12 at Gilwell Park in England, the UK Scouting Headquarters.

Upwards of 100 young radio amateurs younger than 26 from around the world will gather for YOTA UK 2017 to participate in Amateur Radio programs and workshops as well as cross-cultural exchanges and social interaction.

The Radio Society of Great Britain (RSGB) will serve as the host of the summer conference.

Suquamish Tribe hosts Regional Tribal Emergency Preparedness Conference

The Suquamish Tribe hosted the 14th annual Regional Joint Tribal Emergency Preparedness Conference May 1-3 at the Port Madison Indian Reservation at Agate Pass on Puget Sound, Washington. Radio amateurs from Washington, Oregon, California, and Arizona contributed to the success of this conference. The event was sponsored by the Northwest Tribal Emergency Management Council (NWTEMC).

Kitsap County ARES/RACES/ACS set up a demonstration station and display tables outside the conference rooms, and many tribal emergency management leaders stopped by for information, to chat about creating a stronger Amateur Radio presence within their tribes, and to see the station in operation. Kitsap County Emergency Coordinator Mike Montfort, KB0SVF, called his group's participation "a fantastic opportunity" to build relationships with neighbors. At the request of Quileute Nation Fire Chief Chris Morganroth, KI7EGI, Montfort and Dan Ransom, K7MM, will soon conduct a Technician license class for Quileute tribal members.

At the Monday general session, Suzanne Everson, KI7EGE, Regional Emergency Management Specialist at Region 10 Administration for Children and Families, co-presented "Administration for Children and Families, How We Can Work With



You." Lou Schmitz, KE7RYR, American Indian Health Commission, discussed the "Emergency Preparedness Toolkit."

On Tuesday morning, three hams spoke at the conference general session. Jim Sande, KG7NRF, National Tribal Emergency Management Education Sub-Committee Chair, co-presented "Pursuing Ongoing Education in Emergency Management." Nathan Nixon, N7NAN, President of the National Tribal Amateur Radio Association and Training Coordinator for the Inter-Tribal Council of Arizona, discussed the "Indian Country Intelligence Network." Tracy DePew, KI7EGC, Director of Emergency Management, Cow Creek Band of Umpqua Tribe of Indians, presented "FEMA HMA External Stakeholder Working Group and PDM in Indian Country."

On Tuesday afternoon, three radio amateurs gave talks during breakout sessions. Bart Kus, AE7SJ, founder and lead

developer of HamWAN, spoke about the operational high-speed digital network designed for maximum resiliency and survivability, which operates on Amateur Service microwave frequencies and allows for continuous exchange of data between key emergency management facilities throughout the Puget Sound region. Assistant State RACES Officer Steve Aberle, WA7PTM, spoke on communication support for mass care and public health, which included a practicum in message receiving. FirstNet Regional Tribal Government Liaison Adam Geisler, KJ6YHN, co-hosted "FirstNet Presentation, Listening Session, and FirstNet Surveys."

On Wednesday morning, Everson moderated a breakout session talk titled, "Children and Youth Task Forces," and NWTEMC Executive Director Lynda Zambrano, KE7RWG, facilitated an open panel discussion between attendees and the NWTEMC Board of Directors. She reported hearing many "best tribal emergency preparedness conference ever" comments afterward. Read more. --

Thanks to Steve Aberle, WA7PTM, Assistant State RACES Officer (Tribal Liaison), Washington State

Telecommunications Ministry in India orders halt to online transceiver sales, after hams warn of security threat

The Mumbai Mirror in India reports that a complaint by radio amateurs has prompted the Telecommunications Ministry to order online purveyors, including eBay and Amazon, to stop selling wireless transmitting equipment.

According to the newspaper, a group of hams wrote the Wireless Advisor in the Telecommunications Ministry last fall to warn that online sales of wireless equipment could pose a national security threat. Their warning followed reports of "highly suspicious" 2-meter transmissions along the Bengal-Bangladesh border.

The letter drew the attention of the Intelligence Bureau, the prime minister's office, and the military. The Telecommunications Ministry has now ordered e-commerce websites to stop selling transmitting gear online, effective immediately.

The law in India requires that those selling such equipment have a dealer's possession license and users have a license to transmit.

Ankur Puranik, VU2AXN, spokesperson of the Mumbai Amateur Radio Society, told the newspaper, "...our concern is that the powerful equipment can fall into wrong hands and be misused.

More importantly, these two-way radios can tune into any frequency including confidential frequencies used by law enforcement agencies. They can be misused to listen to confidential wireless conversations."



A national security threat has been linked to reports of "highly suspicious" 2-meter transmissions along the Bengal-Bangladesh border.

Above: the Indian flag.

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A family of hams



Among the newest graduates of Doug Wilson's Technician License classes is the Loving family, all of whom passed their Tech exams May 4 at Keaau Community Center after taking Doug's class for the previous five weeks. The new hams include father Carlton Loving, daughter Sarah, and sons Josiah, Nehemiah, Isaiah and Jeremiah Loving.

Upcoming events

compiled by AH6KO

ARRL Field Day 2017

- Saturday - Sunday, June 24th and 25th
- Field Day is ham radio's open house -the most popular event in ham radio!
- Info at <http://www.arrl.org/field-day>

222 MHz and Up Distance Contest 2017

- Saturday - Sunday, August 5th and 6th
- Work as many stations as possible on the 222 MHz through 241 GHz bands using any allowable mode.
- Info at <http://www.arrl.org/222-mhz-and-up-distance-contest>

Hawaii QSO Party 2017

- Friday – Sunday, August 25th thru 27th
- An event to promote HF operation from the unique Hawai'i destination in the Pacific. Your chance to be on the other end of the pile-up!
- Info at <http://www.hawaiiqsoparty.org/>

Hawaiian Islands Grid Madness 2017

- Sunday, September 17th
- Contact as many stations as you can in as many Grid Squares as you can, using SIMPLEX on 2m and 70cm FM.
- Info at gridmadness.blogspot.com

~~~~Free classified ads~~~~

(Send text for ads by 20th of month to  
[lcritchlow@mac.com](mailto:lcritchlow@mac.com))

## Stay tuned: Radio Day II set for Sept. 30

Kimberly Fendt, the ARES East Hawaii District Emergency coordinator, said ARES already has plans to hold a second Radio Day on Saturday, Sept. 30, at the "Great Organic Lava Farm," otherwise known as the Kopua Farm Lots Golf Course.

The inaugural event was staged April 29 at the nearby Eden Roc Community Center.

For more info, contact Kim at  
[wh6kim@gmail.com](mailto:wh6kim@gmail.com) or  
430-7297 (call or text).



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The ARRL Pacific Section
webpage is at:

<http://www.arrl.org/Groups/view/pacific-section>
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**DX calendar:** [www.dxwatch.com](http://www.dxwatch.com)

**Heads-up on propagation:**

[www.solen.info/solar](http://www.solen.info/solar)

<http://ARRL.org/propagation>

<http://dx.qsl.net/propagation>

### **Yasme Foundation grants will support youth involvement in amateur radio**

The Yasme Foundation has announced several grants aimed at encouraging and promoting youth participation in Amateur Radio and advancing activities that result in new licensees around the world.

Yasme has designated grants that will allow young radio amateurs to attend the 7th Youngsters on the Air (YOTA) UK 2017 conference this August in England. More than 100 young radio amateurs from all three IARU regions will gather to participate in Amateur Radio programs and workshops as well as cross-cultural exchanges and social interaction.

"Gatherings such as YOTA exemplify the ability of amateurs to work together across national borders and ethnicities in the best 'ham spirit' of friendship," the Yasme Board said in announcing the grant. The Yasme Foundation will continue its support of YOTA



by assisting two young radio amateurs each from Ethiopia, Tunisia, and Kosovo to attend YOTA UK 2017 this summer.

The Yasme board also made a grant to Kevin Richardson, G0PEK, and his daughter Lauren, M6HLR, for the purchase of Amateur Radio direction finding, HF, VHF, and UHF portable radio equipment in support of

their activities to encourage youth involvement in Amateur Radio in the UK.

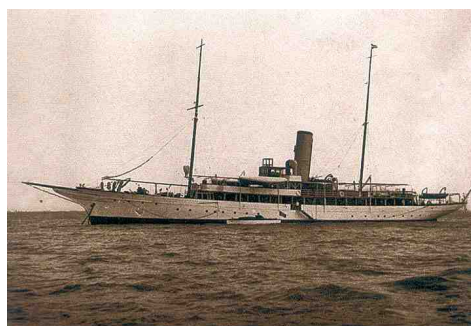
Yasme has been a frequent supporter of Contest University (CTU), and the Foundation has designated a grant to CTU to facilitate the attendance of Dr. Tamitha Skov at the CTU session held in conjunction with Hamvention 2017. At the CTU in Dayton, she will discuss "The Wonderful World of Space Weather." A research scientist at The Aerospace Corporation of El Segundo, California, Skov is a frequent lecturer in the fields of solar and space physics. She posts her "Space Weather Woman" presentations on YouTube. Skov also will appear at the Hamvention Instructors Forum, moderated by Carole Perry, WB2MGP.

The Yasme Foundation is a not-for-profit corporation organized to conduct scientific and educational projects related to Amateur Radio, including DXing and the introduction and promotion of Amateur Radio in developing countries.

### **Marconi's floating lab in the news again for June 3-4 radio event**

The resting place of the keel from wireless pioneer Guglielmo Marconi's floating laboratory -- the yacht Elettra -- will be the site of a special event in conjunction with the annual Museum Ships Weekend Event, June 3-4, sponsored by the Battleship New Jersey Amateur Radio Station NJ2BB.

Marconi named his youngest daughter after the Elettra,



***Guglielmo Marconi's yacht Elettra, his famous floating lab.***

which means "electron" in Italian. The Elettra special event, under

the sponsorship of the Guglielmo Marconi Foundation, will use the call sign IQ4FE. Members of the Italian Amateur Radio Association (ARI) Fidenza Radio Club will operate from the vicinity of the Marconi Museum in Pontecchio, where the vessel's keel is kept.

***-- Thanks to Cristiano Cornini, IW4CLV, ARI Fidenza Radio Club President***



## Updated ARRL "US Amateur Radio Bands" charts now available

ARRL has revised and updated its "US Amateur Radio Bands" charts, and these are now available for download. These are PDF documents, available in color or grayscale presentations. The revised allocations charts reflect the new 630- and 2,200-meter bands, but also emphasize that these bands are not yet available for Amateur Radio use.

The effective date of the recent FCC Report & Order granting these allocations has not yet been determined. Until the FCC sets a start date, it is not legal under an Amateur Radio license to transmit on either band. The FCC will publish a notice in The Federal Register "announcing such approval and the relevant effective date." ARRL will announce

the UTC notification procedures and the effective date to use these new bands as soon as these are known.

ARRL will update the Amateur Radio frequency charts at that time. These reference guides are available for purchase in 11 x 17 and 8.5 x 11 formats in packs of 50 from the ARRL Store. Both include an ARRL Worked All States (WAS) map on the reverse side.

### US Amateur Radio Bands

#### US AMATEUR POWER LIMITS

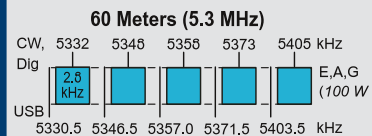
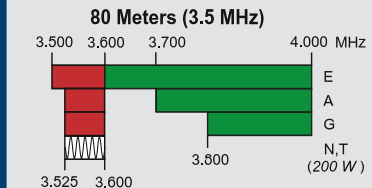
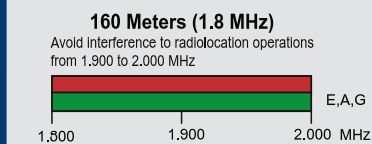
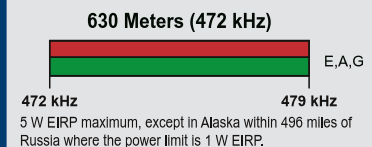
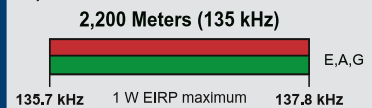
FCC 97.313 An amateur station must use the minimum transmitter power necessary to carry out the desired communications. (b) No station may transmit with a transmitter power exceeding 1.5 kW PEP.

Effective Date for  
2,200 and 630 Meters  
to be announced

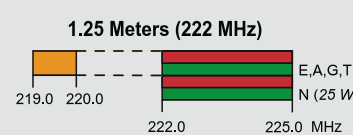
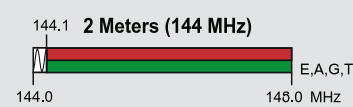
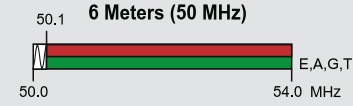
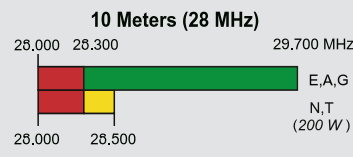
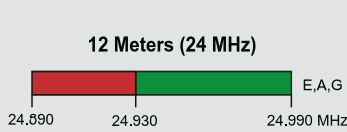
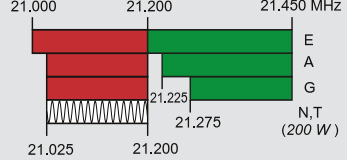
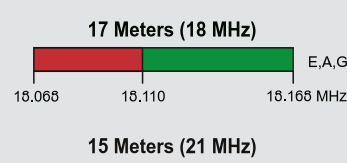
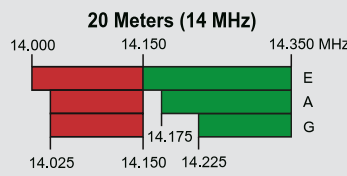
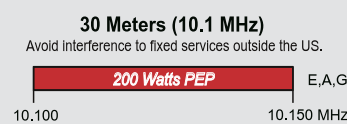
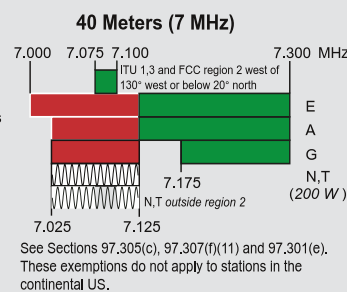


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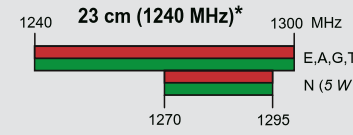
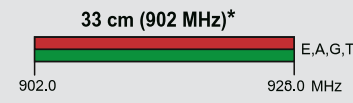
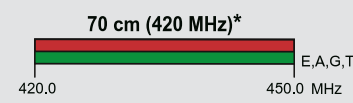
On March 28, 2017, the Federal Communications Commission adopted rules that will allow Amateur Radio access to 472-479 kHz (630 meters) and to 135.7-137.8 kHz (2,200 meters). However, amateurs cannot use these frequencies until 30 days after the Report and Order is published in the Federal Register and the final procedures for registering stations with the Utilities Telecoms Council (UTC) have been approved and announced. At the time this chart was created, the Report and Order had not been published and the UTC online registration site is not yet available. Follow ARRL news for further information. New charts will be published at [www.arrl.org/graphical-frequency-allocations](http://www.arrl.org/graphical-frequency-allocations) when the bands are fully available for use.



General, Advanced, and Amateur Extra licensees may operate on these five channels on a secondary basis with a maximum effective radiated power (ERP) of 100 W PEP relative to a half-wave dipole. Permitted operating modes include upper sideband voice (USB), CW, RTTY, PSK31 and other digital modes such as PACTOR III. Only one signal at a time is permitted on any channel.



\*Geographical and power restrictions may apply to all bands above 420 MHz. See The ARRL Operating Manual for information about your area.



All licensees except Novices are authorized all modes on the following frequencies:

|               |                 |                   |
|---------------|-----------------|-------------------|
| 2300-2310 MHz | 10.0-10.5 GHz ‡ | 122.25-123.0 GHz  |
| 2390-2450 MHz | 24.0-24.25 GHz  | 134-141 GHz       |
| 3300-3500 MHz | 47.0-47.2 GHz   | 241-250 GHz       |
| 5650-5925 MHz | 76.0-81.0 GHz   | All above 275 GHz |

‡ No pulse emissions

#### KEY

**Note:**  
CW operation is permitted throughout all amateur bands.

MCW is authorized above 50.1 MHz, except for 144.0-144.1 and 219-220 MHz.

Test transmissions are authorized above 51 MHz, except for 219-220 MHz

- = RTTY and data
- = phone and image
- = CW only
- = SSB phone
- = USB phone, CW, RTTY, and data
- = Fixed digital message forwarding systems only

E = Amateur Extra  
A = Advanced  
G = General  
T = Technician  
N = Novice

See [ARRLWeb](http://ARRLWeb) at [www.arrl.org](http://www.arrl.org) for detailed band plans.

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Exams: 660-594-0300 email: [vec@arrl.org](mailto:vec@arrl.org)



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

### ***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!

***FISTS CW Club:*** Let's all get on the air with CW, having fun. Most likely upcoming times to hear someone: June 11 and June 25, all at 1900-2100 UTC. Exchange is RST, Name, QTH and FISTS number, if you have one. Best frequencies are 80m, 40m and 20m around 3.558 MHz, 7.058 MHz and 14.058 MHz, keeping clear of QRP frequencies! (<http://fistsna.org/fc>)

### **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](http://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.

# ***The 10-10 Connection***

with NH7PE,

## **10-10 Aloha Chapter**

Be sure to check [www.ten-ten.org](http://www.ten-ten.org) for details.

### **10-10 upcoming: June 3-4 Open Season Ten-Meter QSO Party 2017**

Sponsored by Ten -Ten International Net, Inc. to stimulate PSK activity on the 10-meter band.

Eligibility: Open to all licensed amateurs with privileges on the digital section of the 10-meter band.

It is not necessary that an amateur be a member of any organization to enter the contest.

Date and time: Start 0000 UTC June 3 and end 2359 UTC on June 4.

Mode: BPSK31: All contacts must be 2-way BPSK31. No

repeater, cross-mode or cross-band contacts allowed.

Bands: Ten meters: digital section. Primary suggested frequency: 28.120 (suggested in case of heavy traffic: 28.125).

### ***Spirit of 76***

July 3-9 Spirit of 76 (7 Days 6 Modes) QSO Party

Make as many contacts as you can during the week using 6 modes.

The modes that will be used are as follows (as well as the suggested frequencies to monitor):

1. USB [28345]
2. CW [28050]
3. Psk 31 [28120]
4. Rtty [28086]
5. FM [29600]
6. AM [29000]