



Richard and Barbara Darling enjoy refreshments at the March meeting.

Special celebration, location for April BIARC meeting

Mark the date!

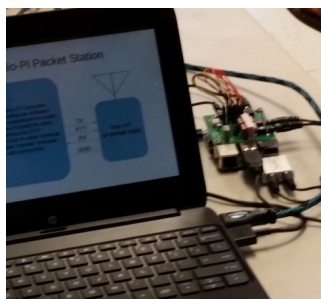
(Here's the official media release we sent out, inviting the public to join us in honoring the Darlings for their richly deserved international humanitarian award from ARRL.)

Richard and Barbara Darling of Puna will be honored with a prestigious international humanitarian award from the American Radio Relay League (ARRL) at an afternoon program Saturday, April 8, at Aupuni Center in Hilo. The community is invited to join in the 2 p.m. potluck party hosted by the Big Island Amateur Radio Club (BIARC).

Continued on next page



President Gary Schwiter conducts March business meeting.



A small portable kit is easily deployed in disaster response.

Photos by Linda Quarberg

Packet radio fills the bill

At our March meeting, Sean Fendt, KH6SF, gave a presentation on the new packet radio project he launched for the East Hawaii

ARES group a few months ago.

Initially, he started with a small portable packet station he designed

Continued on Page 3



Sean Fendt, KH6SF, discusses the new packet radio project he launched for the East Hawaii ARES group a few months ago.

From Page 1

For many years, the couple has provided material support and on-air communication assistance to help residents of the Federated States of Micronesia talk to friends and family in Hawaii and on the U.S. Mainland.

"The nightly health-and-welfare phone patches and messages go all over the United States and the emotion involved can be heard, especially since some of the people have not talked to their relatives in several years," said former BIARC President Bob Schneider, who has known the Darlings for years. "The folks in the Federated States speak in several Micronesian languages, and it is wonderful to hear them hook up with their loved ones."

"We are extremely proud of the Darlings and their combined decades of service to amateur radio," said BIARC President Gary Schwiter. "Their admirable dedication has made, and continues to make, the lives of individuals and communities, near and far, better in many ways, including basic safety."

"Many people have benefited from Richard and Barbara's devotion to humanitarianism via ham

radio, their very favorite form of volunteerism," said Schwiter.

This is the second time the annual ARRL International Humanitarian Award has gone to East Hawaii hams using high-frequency radio waves to serve the far-flung residents of Micronesia. In 2012, Hilo resident John Bush, long-active in outreach education and communication efforts in FSM, in particular Yap State, received the award.

In making the announcement recently, the ARRL Board noted the Darlings' on-air and material support for Bush and his efforts in the Federated States of Micronesia. "[T]hey have supported these ongoing efforts over many years with on-the-air activities including communication during weather events, including several typhoons, as well as other emergency activities, including assistance to boaters in trouble," the board stated in its resolution.

At the April 8 celebration, a short BIARC meeting will have as its focus the awarding of the ARRL International Humanitarian of the Year plaques to the Darlings. Various speakers will pay tribute to the couple's efforts on behalf of our Pacific neighbors. Bring your favorite finger food to share at the potluck.

"This award is very



President Gary Schwiter and immediate past-President Bob Schneider discuss plans for April meeting honoring the Darlings.

prestigious and is given to someone who 'seeks to promote human welfare' on an international scale," explained Schneider. "Richard and Barbara are the support side of the effort. Without their help the John Bush award would not have been possible, so it is appropriate that they should also receive the award."

"Specifically, they provide material support in the form of money and material which includes books, food, clothing, sanitary supplies and equipment such as hardware, and equipment like antennas. The Darlings also provided weather warnings prior to several Typhoons which, most recently, included Maysak and No'ul. They also kept communications going in the aftermaths."

The Darlings have traveled extensively throughout the Pacific, so are familiar with many islands along with the problems of both travel and communications.

The Federated States of Micronesia (FSM) is an independent sovereign island nation and a United States associated country consisting of four states – from west to east, Yap, Chuuk, Pohnpei and Kosrae – that are spread across the Western Pacific Ocean. Together, FSM has around 607 islands that cover a longitudinal distance of about 1,677 miles or 2,700 kilometers.

From Page 1

Packet radio can be good choice for emcomms

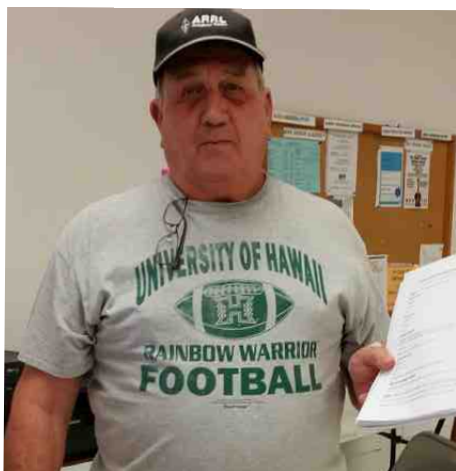
to be as simple and cheap as possible.

In group workshops, a dozen or so hams have constructed the little units, with Sean and Thomas Hoomanawanui, WH6EXS, preparing the basic Raspberry Pi computers for the further soldering and tweaking by the new owners of the packet pals, which run on 5 volts.

Since then, lots of positive feedback has come in. There's interest in developing a statewide network of servers, since the portable kit can easily be deployed in disaster response.

During his talk, Sean showed photos of "stuff in the kit" displays, letting the audience get a taste of the intricacy, yet at the same time simplicity, of the little marvels.

"It's not the fastest, but just like everything else in ham radio, this works when nothing else does," Sean pointed out. For more information, email Sean at sean@sfendt.net.



Jim Tatar, WH6EMN.

Wanted: updated info for basic island ham guide

Jim Tatar continues working on developing a simple document to consolidate basic information about the many island-wide radio clubs, ARES and upcoming events.

"Then a person can check into the individual club and ARES sites for more in-depth information," said Jim. "This is to help the newcomer to radio and any visitor to Hawaii Island get started." We'll run the info in the BIARC Newsletter and on

All amateur operators invited to EH ARES Radio Day

Everyone is invited to join in the East Hawaii ARES Radio Day at 9 a.m. Saturday, April 29, at the Eden Roc Community Center.

Watch and/or join operators in searching for contacts on various bands. Try new equipment.

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, after that, you'll see the Eden Roc Estates sign. Drive into the subdivision and take the first left.

the new BIARC website.

To help Jim create this basic guide to all-things-ham on the Big Island, please contact him at james.tatar@yahoo.com.

Here are some excerpts from the current listings:

Technician Classes: Keaau, Thursdays 6:30 PM March 23, 30, April 6, 20, 27, May 4 (EXAM) Keaau Community Center. Contact Doug Wilson at 985-9362 to sign up.

East Hawaii ARES Radio Day: Saturday, April 29, at 9:00 AM until? Come and see operators searching for contacts on various bands. Try your hand on various equipment. At the Eden Roc Community Center/Park on Ahi (8th) Street.

Technician Classes: Kona, Thursdays 6:30 PM June 1, 8, 15, 22, 29, July 6 (EXAM) West Hawaii Civic Center. Contact Jim Ryan at jrwjry@gmail.com to sign up.

Solar Eclipse QSO Party: August 21; ref. hamsci.org; February QST pg. 82 (1400 -2200 UTC) Aug. 21: Bands 160, 80, 40, 20, 10 and 6 meters.

Technician Classes: Keaau, Thursdays 6:30 PM November 2, 16, 30, December 7, 14 and 21 (EXAM) Keaau Community Center. Contact Doug Wilson at 985-9362 to sign up.

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. Look for all the cars in the middle of the block. Bring a jacket, umbrella, something to drink and eat, and stay for a while. This will be 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.

Big Island Amateur Radio Club

Meeting Minutes

March 11, 2017



I. Call to order:

Gary Schwiter called to order the regular meeting of the Big Island Amateur Radio Club at 1402 hrs. HST on February 11, 2017 at Keaau Community Center.

II. Roll call

Angelina Schwiter conducted roll call.

The following club officers/directors were present:

Gary Schwiter, Angelina Schwiter, Paul Duccasse, Peggy Gentle, Bob Schneider, Kim Fendt, Cory Allen, Barbara Darling, Richard Darling.

The following club officers/directors were absent:

Gus Treewater, Bill Hanson, John Bush

III. Announcements

A: Doug Wilson announced that there would be a Technician Prep. Class will begin on March 23rd, 2017 and there will be a exam will be held on May 4th, 2017.

B: The Big Island International Marathon will be on March 19, 2017 located at Bay Front, Hilo, Hawaii (Canoe Beach Area)

IV. Approval of minutes

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

V. Financial Reports

As of March 11, 2017 the current club balance is \$2,267.79.

VI. Old Business

A: Field Day

A motion was made and approved for the annual 2017 BIARC field day to be held in Mountain View Eden Rock with the Puna Emergency Radio Club (PERC).

A motion was made and approved to use the current field Day funds to support the Mountain View Eden Rock field day.

B: Shirt Orders

It was announced that the new BIARC shirts order forms were available with shirt styles and a color chart.

VII. New business

QSL Bureau

Barbara Darling stated that the KH6 Hawaii QSL Bureau has been managed by the Big Island Amateur Radio Club since 2008 and since most of the QSL cards are for hams on the island of Oahu it was decided that someone from there should take over the managing of the Bureau. Mr. Edward K. Conklin agreed to take on the managing position with assistance from Kevin C. Bogan. All of the material, including files of statements, expense forms, card file boxes, lists of EMail and Ham radio accounts have been all forwarded to Edward in the past two weeks. It has been decided, with Edward's approval, that they retain the same checking account with Bank of Hawaii (Account number 619769 with a balance of \$1,720.66) and that he and Kevin will be the two approved signers on the account. Edward will take charge of having the account address changed at his branch of Bank of Hawaii on Oahu. New checks will also be ordered from there.

Training:

Raspberry Pi Packet Training Overview:

Sean Fendt KH6SF provided an informational presentation and demonstration about Packet Radio with Raspberry Pi. Please contact Sean KH6SF if you would like more information on a build kit or pre built unit.

VIII. Adjournment

Gary Schwiter adjourned the meeting at 1600 hrs. HST.
Next meeting Aupuni Center April 8th.

I certify that these minutes are true and correct.

Angelina Schwiter, Secretary



Vice President Peggy Gentle, at left, Secretary Angelina Schwiter, center, and Barbara Darling, in foreground, at March meeting.



After manning their posts along the route of the race, some of the radio operators meet back at the net control station at Onekahakaha Park for a group shot. A total of 16 hams volunteered for the annual event. From left: Jim Tatar, Rick Gardner, Mike Haight, Greg Datlof, Betsy Robertson, Cory Allen and Bob Gomez.



At the March BIARC meeting, Rick Gardner and Kim Fendt invite any and all hams to help provide communications for the March 19 Hilo Marathon.

East Hawaii hams provide comms for Hilo International Marathon

For the fourth year in a row, amateur radio operators volunteered their services to provide communications all along the route of the Hilo International Marathon. At their posts before dawn on Sunday, March 19, the radio operators worked into the afternoon, serving as the eyes and ears of the race and reporting on progress of runners in the day's three main events: 5K, half marathon and full marathon.

Radio operators fielded calls relating to health and



Continued on next page



Along the 26.2-mile route of the Hilo International Marathon, runners are treated to some of the planet's most stunning views.

HAMS AT THE HILO MARATHON: *From Page 6*

safety of participants and acquisition and dispersal of assorted supplies throughout the 26.2-mile stretch along the Hilo coastline.

This year's team was

coordinated by leaders of the East Hawaii ARES group and the Puna Emergency Radio Club, and included Bob Gomez, KB6EGA; Kim Fendt, WH6KIM; Rick Gardner, WH6LU; Sean Fendt, KH6SF; Greg Datlof, WH7FC; Mike Haight, AE5LR; Grace Haight, KF5AHW; Paul

Ducasse, WH7BR; Thomas Hoomanawanui, WH6EXS; Jim Tatar, WH6EMN; Cory Allen, KN6ZU; Stan Froseth, AH6KO; Lynn Froseth, WH6ETX; Dave Miller, WH6EVR; Betsy Robertson, WH6EWK; and Leigh Critchlow, WH6LC.



Don't forget: Volcano Monday Night Net is back in business

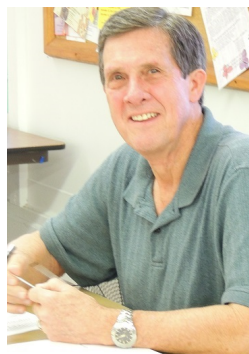
After a two-month hiatus, the Volcano Monday Night Net (formerly the Volcano Inverted Net) has been back in business for the last few weeks.

As always, participation is open to any operator interested in some camaraderie on a Monday evening. Net Control Doug Wilson, KH7DQ, offers a bit of weird and, hopefully,

interesting trivia, and coordinates the general ham radio fellowship.

A storm late last year had flipped the antenna, making it difficult to reach for repair. It was later put upright, thanks to some accommodating tree trimmers in a bucket.

The Net meets every Monday at 7 p.m., HST, on 147.260 MHz; pl 103.5 Hz on the input only.



Net Control Doug Wilson, KH7DQ, invites any and all ham operators to sign in to the weekly Monday Night Net. He also invites anyone wanting to practice their net control skills to "take a turn."



~~~~Free classified ads~~~~

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



ARRL seeking synergy with Maker movement

ARRL is reaching out to members of the Maker movement to explore avenues of cooperation and collaboration, and perhaps to recruit some new radio amateurs. Considered an extension of the arts and crafts tradition, the Maker movement gained its own magazine, *Make*®, in 2005. The philosophy of the Maker movement is reminiscent of an era when radio amateurs built their own equipment rather than buying it off the shelf. Those considering themselves Makers have tended to focus on such areas as electronics and computers, robotics, 3D printing, metal and woodworking, and even Amateur Radio, among other avocations.

Recognizing the similar characteristics of radio amateurs and Makers, the Ham Radio exhibition each summer in Friedrichshafen, Germany, has shared space with a Maker Faire, as Maker gatherings are known, for the past few years. Maker Faires



The Bay Area Maker Faire attracted youngsters and adults in 2016.



in the US have attracted thousands more attendees than even the largest hamfest. The "Hamvention" of the Maker movement takes place in San Mateo, California, and ARRL will have a presence at events in the Bay Area in May, and in Chicago later this year.

"Maker communities and

Makerspaces are springing up across the country, becoming the latest nexus of youthful aspirants and exotic technology, as well as the locus of highly innovative forms of experimentation -- including Amateur Radio," ARRL CEO Tom Gallagher, NY2RF, wrote in his Second Century editorial, "Make It Happen," in the April issue of QST. Gallagher considers Makers as "the next generation of hams."

Gallagher suggests radio amateurs consider attending Maker Faires -- not only to promote and give a presence to Amateur Radio, but to learn what they have in common with Makers, many

Continued on next page

MAKER FAIRE & HAMS: *From Page 8*

of whom already are licensees. (An article in the January 2017 issue of QST, "Maker Faire Success for Ham Radio Clubs" by David Witkowski, W6DTW, is on Gallagher's recommended reading list, as is an interview in the same issue with Jeri Ellsworth, AI6TK, who is well known in the Maker and gamer communities.)

Any radio amateur who enjoys tackling an Arduino or Raspberry Pi electronics project for the shack should find some common ground in the Maker movement. Gallagher notes in his editorial that at last September's Maker Faire in New York City, a club in Queens offered a simple build -- a-code-practice-oscillator project, provided by QRPme.com, that only required five components. "The attendees were lined up six deep in two lines," Gallagher recounted. "There is nothing to match the delight in the builder's eyes when he or she first experiences the joy of oscillation." He hinted that this could, in time, translate to new licensees.



Amateur Radio on the International Space Station (ARISS) reports it has met a major milestone and now is "one giant step" closer to flying its new interoperable radio system to the International Space Station.

New milestone for Amateur Radio on the International Space Station

Amateur Radio on the International Space Station (ARISS) reports it has met a major milestone and now is "one giant step" closer to flying its new interoperable radio system to the International Space Station.

Eventual plans call for installing a new JVC Kenwood TM-D710GA-based radio system on the station as part of an overall approach that will allow greater interoperability between the Columbus module and the Russian Service Module.

Lou McFadin, W5DID, and Kerry Banke, N6IZW, travelled to NASA Johnson Space Center (JSC) in Houston in mid-February for preliminary testing



Astronauts (shown here and on the next page) get a pretty good view from the International Space Station.

of Banke's "breadboard" version of the ARISS multi-voltage power supply that's essential to the upgrade.

They worked with JSC engineers and Electromagnetic Compatibility

Continued on next page

HAMS IN SPACE:

Continued from previous page

(EMC) Lab personnel to put the specially built power supply through its paces, checking against US and Russian space specifications for preliminary power quality and EMC tests.

With positive test results in hand, ARISS now can move on to the next step -- fabrication of prototype and flight units. The JSC engineers said the ARISS breadboard power supply was the first hardware to have passed all of the space agency's tests and complimented the ARISS Team on its professional-level hardware development and design.

"I was looking to come away with what we needed to move forward," said Banke. "We achieved that." Banke also said he was impressed with the support he and McFadin received from the testing group. Key players on those teams, who are also radio amateurs, told him and McFadin that they find equipment supported by hams earns particularly good marks.

ARISS-International Chair Frank Bauer, KA3HDO, thanked Banke and McFadin for spending several days putting the unit through the rigorous battery of NASA and Russian preliminary electrical tests. McFadin credited the level of cooperation and experience within the ARISS Team with the multi-voltage power supply's high marks.

Now that testing of the



To help support final fabrication and flight tests of the ARISS interoperable radio system, visit the ARISS website. Contributions are tax deductible. Those contributing at least \$100 will receive an ARISS Challenge Coin.

breadboard unit has been completed, McFadin can purchase the necessary -- and pricey -- space-certified parts, to fabricate the final prototype and flight power supplies. He and Banke expressed confidence that the prototype and flight units will pass the even more rigorous final testing with flying colors.

The ARISS radio gear on board the ISS is aging.

A February supply vehicle carried a new Ericsson 2-meter handheld radio to replace one that failed a few months ago, disrupting ARISS activities.

The VHF radio in the Columbus module was used for school group contacts and for Amateur Radio packet, temporarily shifted to UHF after the VHF radio failure.

The newly arrived Ericsson radio will replace the Ericsson UHF radio supporting APRS packet and some school contacts, but Bauer made it clear last month that the new Ericsson transceiver is an interim measure.

To help support final fabrication and flight tests of the ARISS interoperable radio system, visit the ARISS website. Contributions are tax deductible. Those contributing at least \$100 will receive an ARISS Challenge Coin.

~~~~~

The ARRL Pacific Section  
webpage is at:

<http://www.arrl.org/Groups/view/pacific-section>





*The 2017 theme recognizes the event's beginnings in 1957 and commemorates its growth.*

## **Boy Scouts announce 2017 JOTA-JOTI theme**

Scouting's World Jamboree on the Air/Jamboree on the Internet (JOTA-JOTI) Team has announced the theme for this fall's JOTA-JOTI event: "60 Years Connecting Scouts." The 2017 theme recognizes the event's beginnings in 1957 and commemorates its growth in participation and in the expanding communication channels activated this coming October. In addition to Amateur Radio, those channels include internet-based channels and other internet-based options, including social media, ScoutLink, IRC chat services, Skype, and more.

"It also recognizes the goal of the event -- connecting Scouts so that they can engage in conversations with other Scouts across town and around the world," said JOTA Coordinator Jim Wilson, K5ND. "This allows them to discover geographic and cultural differences and similarities. Plus, they are exposed to the technology that makes all this happen."

The JOTA-JOTI logo contest is about to start. Plans for 2017 include a simplified registration system.

## **Girl Scouts and Guides get thinking about ham radio**

Skip Youngberg, K1NKR; Bill Machia, WM3N, and Dudley Allen, KD0NMD, were among those sponsoring World Association of Girl Scouts and Girl Guides' "Thinking Day on the Air" (TDOTA) events in February that enjoyed enthusiastic participation. "Thinking Day," officially February 22, commemorates the birthday of Lord Robert Baden-Powell, the founder of the Scout and Guide movements, as well as that of his wife, Olave, who was the first World Chief Guide.

"Talk about excitement, exhilaration, and satisfaction!" said Youngberg, an ARRL Life Member who got involved in TDOTA through his daughter Jill Galus, KB1SWV. She enlisted his club, the Nashoba Valley Amateur Radio Club (NVARC), to conduct an event in New Hampshire 3 years ago. This year, the NVARC set up in Shirley, Massachusetts, and in Raymond, New Hampshire.

TDOTA traces its heritage to Radio Scouter Les Mitchell, G3BHK (SK), who originated Jamboree on The Air (JOTA) in 1957 and



*Scouts and leaders are introduced to world time, phonetics, Morse code, and getting on the air.*

initiated TDOTA about 25 years ago, Youngberg said.

On February 18 in Shirley, Youngberg and his NVARC compatriots introduced 41 Scouts and 15 leaders to world time, phonetics, Morse code, and -- perhaps most important -- getting on the air. The next day, the NVARC crew packed up and did the same for a similar group in Raymond, where 26 Scouts and 10 leaders "honed their communications experience," Youngberg said.

Youngberg said the Shirley gathering snagged 25 contacts, including eight DX stations.



## International Crystal Manufacturing going out of business

International Crystal Manufacturing (ICM) of Oklahoma City has announced that it will be going out of business, probably at the end of May. Royden Freeland Jr., son of the company's founder, posted a letter recently on the ICM website.

"We will be honoring all orders that we have already taken and will be able to fill a limited amount of new orders, dependent upon raw materials available," Freeland said. "We would like to thank you for your past business. The success of ICM over the previous 66 years has been largely due to its amazing customer base."

International Crystal produces RF control devices -- quartz crystals, oscillators, QCM crystals, filters, TCXOs/VCTCXOs, and precision crystals.

Royden R. Freeland Sr. founded International Crystal in 1950, at first operating out of his garage. One of his first contracts was to produce crystals for Collins Radio. The elder Freeland and his wife



**Royden Freeland Jr. tests equipment at International Crystal Manufacturing.**



***The demise of the International Crystal Manufacturing Company is being seen as a change in technology, with some lamenting its departure. Founded in 1951, it became a trusted provider of quartz crystals, oscillators, filters and the like, both to industry and radio amateurs.***

died in a 1978 air crash, and his son took over the company, which expanded into the production of other electronics in the 1980s.

In the 1990s, though, it sold off some of its equipment and distribution business to concentrate on its core enterprise -- the manufacture of crystal and oscillator products.

The announcement caught

some manufacturers off guard, and they are seeking to source the products they had been buying from ICM, one of the remaining US-based manufacturers of crystal products. Radio amateurs requiring crystals for projects or as replacement parts for older equipment also will have to look elsewhere.



## ARRL reiterates case for new band at 5 MHz

In comments filed on March 20 with the FCC on its own January Petition for Rule Making (RM-11785), ARRL reiterated its case for a contiguous secondary 15-kHz wide, 60-meter band of 5,351.5 to 5,366.5 kHz in addition to the four existing discrete 60-meter channels that fall outside the requested band, with a permitted power level of 100



***The ARRL proposal would implement a portion of the Final Acts of World Radiocommunication Conference 2015.***

W EIRP and retention of current operating rules.

More than 5 dozen comments, all supporting the proposed allocation, were filed on the League's petition.

While some suggested more

spectrum or higher power, or a combination, ARRL said in its comments that it does not at this time favor any changes in its initial request for a new band.

The League proposal would

implement a portion of the Final Acts of World Radiocommunication Conference 2015 (WRC-15).

This portion provided for a secondary international amateur allocation of 5,351.5 to 5,366.5 kHz at a maximum of 15 W EIRP.

| Start  | End    | Width kHz | Typical usage |
|--------|--------|-----------|---------------|
| 5258.5 | 5264   | 5.5       | CW            |
| 5276   | 5284   | 8         | SSB           |
| 5288.5 | 5292   | 3.5       | WSPR/BEACONS  |
| 5298   | 5307   | 9         | SSB           |
| 5313   | 5323   | 10        | AM/SSB        |
| 5333   | 5338   | 5         | SSB           |
| 5354   | 5358   | 4         | SSB/IT65      |
| 5362   | 5374.5 | 12.5      | DATA          |
| 5378   | 5382   | 4         | SSB           |
| 5395   | 5401.5 | 6.5       | SSB           |
| 5403.5 | 5406.5 | 3         | SSB           |

\* When using USB towards the top of the segment be sure to set the dial frequency at least 1 kHz lower to ensure your signal remains in-band

## LIFE IS SIMPLE



\*\*\*\*\***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**)

# The doctor is IN!



*"Dr. DX" is actually a team of experienced DXers who will answer questions about operating technique, antennas, propagation, equipment, awards, logging programs, QSLing and anything else related to DX and DXing.*

## Do you have any DXing questions?

### **Dr. DX has answers!**

The Southern California DX Club (SCDXC) has announced that "Dr. DX" is on call and ready to answer questions via e-mail from fledgling DXers.

A team of experienced DXers

*Continued on next page*





*Continued  
from previous page*

will offer helpful replies to any and all DXing-related questions.

The club has also distributed a brochure to southern California Amateur Radio clubs to entice hams who are not yet DXers into that area of the hobby. Ham clubs outside of Southern California may request a PDF. The SCDXC says its efforts to promote DXing in general are not limited to southern California, and Dr. DX will take questions from anywhere. Through the Dr. DX program, new DXers may ask about equipment, operating techniques, antennas, QSLing, and related topics, and SCDXC Dr. DX team members will respond to every question.

**-- Thanks to  
SCDXC**



## Is there a doctor in the house?

*Members of the Southern California DX Club  
enjoy a presentation on their favorite subject.*

## Dr. DX has your prescription and even makes house calls via email

### *Here's how it works:*

- 1.** "Dr. DX" is actually a team of experienced DXers who will answer questions about operating technique, antennas, propagation, equipment, awards, logging programs, QSLing and anything else related to DX and DXing.
- 2.** Have a question?  
Send an email to [DrDX@SCDXC.ORG](mailto:DrDX@SCDXC.ORG) and a Dr. DX team member will get back to you with the right answer!
- 3.** In an effort to help new DXers unravel the mysteries related to DXing, the Southern California DX Club has initiated this program. Anyone interested in DX and DXing can email questions and will receive a personalized reply.



**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/propatation>



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

### ***Still time to apply for scholarships***

TenTen International Net encourages qualified college-bound amateur radio operators to take advantage of the opportunity to apply for one of five \$2,000 scholarships. There's no restriction on the course of study, but applicants must promise to seek at least an Associate Degree from a college or university.

Non U.S. amateurs and those seeking graduate degrees are also eligible, as are students who study outside the United States.

Write to the Foundation for Amateur Radio (FAR) Scholarships; P.O. Box 911; Columbia MD 21044-0911 for the application, which must be submitted by April 15. Or, go online to <http://www.farweb.org>.

Donations to the scholarship fund are always welcome. It is a 501(c)3 tax-exempt organization and contributions, therefore, are tax-deductible. If you have an employer matching program, please let coordinators know. Why not consider a donation as a group or as an individual in memory of a fellow ham or other loved one?

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

with NH7PE,

## **10-10 Aloha Chapter**

### ***Spring Digital QSO Party set***

Ten-Ten International Net's next event is the Spring Digital QSO Party in the digital area of the 10-meter band. Plan on using digital modes only April 29-30 UTC. Forty-eight hours of 10-meter digital fun! Remember: You can assign your score to the Aloha Chapter. Logs must be postmarked no later than 15 days after the QSO Party.

Right after that, the Spring CW QSO Party will be held May 6-7 UTC. Dust off your keys and get them ready!

Restoration Project Chapter will commemorate the 100th Anniversary of the Battle of Vimy Ridge in April of 1917 throughout April. Several stations across Canada will operate as VE100VIMY. Check them out. For details, contact Gary via email at [VE7SSJ@shaw.ca](mailto:VE7SSJ@shaw.ca).

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. Also: Every Tuesday UTC, same thing.

Be sure to check out [www.fistsna.org](http://www.fistsna.org).

73 and aloha,  
**Irene, NH7PE**