

S50ARX	 RW3YW	3522.5 CQ	19 dB	30 wpm	0022z 17 Aug
V51YJ	 DK3FM	7025.1 CQ	18 dB	19 wpm	0022z 17 Aug
VE2WU	 PY7ZZ	14026.0 CQ	17 dB	28 wpm	0022z 17 Aug
W3LPL	 K7DCG	7032.0 CQ	24 dB	14 wpm	0022z 17 Aug
NOTA	 K7DCG	7032.0 CQ	24 dB	14 wpm	0022z 17 Aug
WA7LNW	 K7DCG	7032.0 CQ	23 dB	14 wpm	0022z 17 Aug

Big Island Amateur Radio Club

Newsletter – September 2011

Reminder - Hawaii QSO Party

A group of clubs in Hawaii is sponsoring the annual Hawaii QSO Party (HQP) in August. Come join with us in making the 2011 event another success. Hawaii, a very special radio destination, merits support from its Hams.

Free contest logging software from the N1MM contesting group supports the HQP. Simplified installation instructions are available on the contest web site.

The contest runs from 04:00 UTC Aug 27 to 22:00 UTC Aug 28, 2011 (6 PM Friday August 26 to Noon Hawaii Time Sunday August 28). There are awards in six categories operating the HF bands in three modes – Phone, CW and Digital.

The Battleship Missouri (KH6BB) will again operate from Sand Island and a mini DX-pedition (KH7Q) is putting Kalawao County on the air. The Hilo Amateur Radio club will operate their famous call AL0HA from Moku Ola (Coconut Island) in Hilo with assistance from BIARC. A multi transmitter operation is planned at KH6LC.

Details about the contest are available on-line at www.karc.net/HQP

Thanks Joe Speroni, AH0A



BIARC Treasurer's Report

Opening Balance: \$2690.90
 Deposits:..... (+) \$97.00
 2 Bills to be paid... (-) \$72.87
 Ending Balance: \$2715.03

Lloyd Cabral KH6LC
 Treasurer



License Preparation Classes Announced

Hilo Stake of LDS Church will sponsor License Preparation Classes for Technician beginning 13 September and General beginning 1 November. Classes will run six weeks and a testing session will be held shortly after each course. Classes will be Tuesday evenings at 6:30 p.m. at the LDS meetinghouse on Highway 130 and Orchidland Drive. There is no charge for the class. The public is invited. The instructor is Milton Nodacker, AH6I, who can be contacted at 965-6471 or nodacker@gmail.com.

VE Testing

The next scheduled testing session is Saturday 22 October at noon at the hamfest in Waimea. -Thanks Milt AH6I.

September Meeting Program

The September program will be Paul Ducasse, WH7BR, presenting on marine and Coast Guard communications.



Paul WH7BR at Field Day

Big Island Amateur Radio Club

P.O. Box 1938

Hilo, HI 96721

www.biarc.net

Officers

President	Tom Thornton AH6ZZ	754-7412
Vice President	Milt Nodacker AH6I	965-6471
Treasurer	Lloyd Cabral KH6LC	966-7782
Secretary	David Broyles KH7SO	854-0362

Two Year Directors

Beau Mills NH7WV	968-1271
Richard Fetchen KH6WE	982-7426
Paul Agamata WH6FM	
Elizabeth Yoes WH7CU	965-5429
Chuck Epperson AH6SC	966-4698
Rick Gardner WH6LU	

One Year Directors

Richard Darling AH7G	982-9126
Ron Phillips AH6HN	982-6513
Rick Frazier AH7H	985-9169
Bob Schneider AH6J	966-8146
Peter Yoes KH7HI	965-5429

Standing Committees

Service/Awards	Ron Phillips	AH6HN
Education	Vacant	
Emergency	Paul Ducasse	WH7BR
Equipment	Lloyd Cabral	KH6LC
Health&Welfare	Barbara Darling	NH7FY
Hospitality	Barbara Darling	NH7FY
Newsletter	Curt Knight	AH6RE
Programs	Milt Nodacker	AH6I
Repeater	Paul Agamata	WH6FM
Webmaster	Curt Knight	AH6RE

Special Committees

Improvement	Ron Phillips	AH6HN
Field Day	Robert Oliver	NH6AH
Hamfest	Bob Schneider	AH6J
co-chair	John Buck	KH7T
QSL Bureau	Barbara Darling	NH7FY

Meetings and Get-Togethers

Membership meetings – Second Saturday of each month at 2PM at the Kea'au Community Center

Board Meetings – will be held every other month 1 hour prior to the general membership meeting at the same location as the general meeting (January, March, May, July, September, November).

Friday Lunches – A group meets for lunch every Friday at 11:30 at Hokulani's Steak House in the mall at Kea'au near the Post Office.

East Hawai'i Net

The East Hawai'i Net meets on Monday, Wednesday, and Friday mornings at 8AM HST on the 146.76 MHz repeater.

BIWARN accessible Repeaters

Repeaters in bold font are BIWARN/MCDA linked. When operating over a link, remember to leave extra time in each transmission for the link to be established. The number in parentheses is the tone access frequency.

145.29-	HOVE-Ka'u WH6FC (100)
146.66-	HOVE (100)
146.68-	Kea'au limited area KH6EJ
146.76-	Kulani KH6EJ
146.82-	Mauna Loa ARES KH6EJ
146.88-	Pepe'ekeo KH6EJ (may be linked)
146.92-	Ka'u PD KH6EJ
146.94-	Haleakala Maui KH6RS (110.9)
147.02+	Haleakala Maui RACES AH6JA
147.04+	Mauna Loa RACES AH6JA
147.16+	Kona (Hualalai) WH6DEW (100)
147.32+	Waimea Hospital NH7HI (100)
147.38+	Waimea East KH7T experimental
442.35+	Ka'anapali Maui (136.5)
442.5+	Kea'au KH6EJ
443.40+	Ocean View KH7MS (77.0)
443.40+	Kona KH7MS (100.0)
443.65+	Ocean View Hub
444.225+	Haleakala Maui KH6RS (110.9)
444.45+	Parker Ranch KH6EJ (88.5)
444.9+	Hilo WH6FM WIN system (100)
444.775+	Hilo WH6FM XO system (123)

New ARRL DX SSB Record Set for Oceania

In news from the ARRL, Fred KH7Y was one of those who set new records in the 2011 ARRL DX SSB contest. Fred made 501,120 points in the single operator 15 meter category to beat the old record of 433,608 points which was set in 1988.



Banner Picture

This month's banner picture is an example of the Reverse Beacon Network in action. See the story below.



Reverse Beacon Network Active in Hawai'i

"CW Skimmer" is the name of clever software from Alex VE3NEA that automatically decodes CW signals from a broadband sampled data stream from, in the simplest instance, a sound card attached to your radio's audio output. Radios are available that will digitize much more bandwidth than is available from a sound card, and a special version of the Skimmer software (Skimmer Server) is capable of extracting thousands of CW streams simultaneously from the data provided by these broadband software defined radios. The Skimmer software can be instructed to extract the frequency, signal strength, and call sign of stations calling CQ anywhere in the analyzed bandwidth, and to forward the information to the Reverse Beacon Network (RBN). The result of dozens of skimmers operating worldwide is available from the RBN through its web site www.reversebeacon.net, and in standard packet spot format through telnet connection to any of several providers, for example, ve7cc.net, port 23.

The RBN is a very useful tool, enabling the CW operator to determine who is on the air, what frequency they are on, and how strong they are at a number of locations. It also can be used to make a direct comparison of your own signal strength with the signal strength of other stations as seen at remote locations, and to measure antenna patterns of rotatable antennas.

Until the beginning of August, there was no provider of spots to the RBN in the central Pacific. Now, Lloyd KH6LC, assisted mainly by Rob NH6V, Fred KH7Y, Curt AH6RE, and Wes WZ7I, has assembled the equipment to provide spots from Hawai'i. The site chosen for the location of the skimmer is a location in Puna that is far enough away from active HF stations that a Skimmer

receiver there won't be overloaded by extremely strong local signals.



Lloyd KH6LC stands next to the Hy-Gain vertical

The equipment is pretty simple. A Hy-Gain Hy-Tower Jr. vertical antenna feeds a Clifton Laboratories low-noise preamplifier which in turn feeds an SRL Quicksilver QS1R wideband programmable sampling receiver.



CW Skimmer Hardware

The receiver cooperates with the Skimmer Server software, and the combination is capable of

simultaneously analyzing up to 192 kHz from each of seven user selectable bands between 160 and 6 meters in its standard configuration. The software is capable of decoding the thousands of CW transmissions that may be occurring in the analyzed bandwidth. Additional software routes the results to the RBN through an Internet connection. This configuration is very effective: in the first week of operation the Skimmer at KH6LC had detected CQs from stations in 123 DXCC entities.



Under a Jarvis Moon



Kenny Bell KH6AFQ (SK)

The U.S. Government, to facilitate a claim to the islands, settled more than 130 Hawaiian men on Baker, Howland, and Jarvis Islands between 1935 and 1942. One of the colonists was Kenny Bell KH6AFQ. He graduated from Kamehameha Schools in about 1934 and spent about 18 months on Jarvis Island. The story of the colonists has been told in a documentary "Under a Jarvis Moon" that was produced last year by the Bishop Museum. The documentary includes an interview with Kenny Bell. It will be broadcast by PBS Hawai'i on Thursday 25 August at 8:30 PM and again at 11:00 PM. (thanks Barbara NH7FY, Dean KH6B, Dave KH7SO)