

Big Island Amateur Radio Club

Big Island Amateur Radio Club

BIARC BULLETIN

P.O. Box 1938 • Hilo, Hawaii 96721

June 2005

Logo by Don Bartron NH6WW

Officers 2004

President	Barbara Darling	NH7FY 982-9126
Vice President	Sidney Sellers	NH7OD 756-4953
Treasurer	Ron Phillips	AH6HN 982-6513
Secretary	Mike Last	NH7JT 929-8422

One Year Directors

Don Bartron, NH6WW	935-1258
Doris Carlson, KH6ER	966-4676
Dennis Carvalho, KH7H	883-2500
Richard Darling, AH7G	982-9126
Ralph Fontaine, AH6RF	963-5178
Bill Parry, NH7RQ	962-6219
Nancy Parry, NH7RT	962-6219

Two Year Directors

Sean Stueber, NH7SA	933-2471
Clifton Leonard, KH6XJ	345-0545
Ken Cutting, KH7ZJ	938-5881
Lloyd Cabral, KH6LC	966-7782
Past President, Bob Schneider, AH6J	

Standing Committees

Service/Awards	Harry Nishiyama	KH6FKG
Co-Chair	Ron Phillips	AH6HN
Education	Harvy Motomura	AH6JA
Emergency Coord.	H. Nishiyama	KH6FKG
Equip. Inventory	Wilbur Carlson	KH7E
Health & Welfare	Nancy Parry	NH7RT
Hospitality	Gloria Whiteley	Associate
Newsletter Editor	Sean Stueber	NH7SA
Programs	Sidney Sellers	NH7OD
Repeater	Ron Phillips	AH6HN
Webmaster	Clifton Leonard	KH6XJ

Special Committees

Christmas Party	Nancy Parry	NH7RT
Co-Chair	Bill Parry	NH7RQ
Club Improvement	H. Nishiyama	KH6FKG
Co-Chair	Ron Phillips	AH6HN
Field Day	Ken Brown	N6KB
Hamfest	Bob Schneider	AH6J
Co-Chair	John Buck	KH7T
QSL Cards In/Out	Richard Darling	AH7G
Volcano Rim Run	Sean Stueber	NH7SA
Co-Chair	Clifton Leonard	KH6XJ

PRESIDENT'S MESSAGE

I have been trying to update our roster. Ron AH6HN is presently on an Alaskan cruise so I can't check some of our newest member's information. Rick Frazier AH7H and his wife Christine have moved from Hawaiian Paradise Park to Volcano. I will provide his new information in the next issue.

Jim Sky KH6SKY and his wife Andrea are our newest members. Address is: PMB 242, Box 7063, Ocean View, HI 96737 Phone 328-1114, E. Mail address is radiosky@radiosky.com We want to thank Jim again for the great program he presented on May 14th.

OUR CURRENT MEMBERSHIP IS 109 and still growing.

Phone number for Lorraine Ross should be 935-7995

Address for D.J. Leiser should be P.O. Box 757, Inyokern, CA 93527. Also delete his phone number on the roster.

As for E Mail addresses: please remove address for Eddy Miller- change Curtis Knight's to AH6RE@arrl.net- change Doris Carlson's to dmc1@hawaii.rr.com- add Bill Cullen's kauhs@interpac.net- add David Robbins K1TTT@arrl.net The addresses I have for the following have had messages returned as undeliverable. Would appreciate getting a new address if available for: Andy Kangas N8ZBJ, Rob Van Geen NH6V, Larry Huff Associate, Roger Kuntmeyer KH7RR and Herb Vanderbeek WY6G.

Anyone interested in receiving their newsletter by E Mail can let Sean know at gecko4456@shaka.com. So far we have 15 members taking

advantage of this offer. Saves the club postage and printing costs PLUS photos are in color.

A special testing was set up for students of Harvey AH6JA at the Community College. We now have 7 new Technician class hams in the Hilo area. Congratulations to these students. Just wish we could get some of these young people interested in joining BIARC.

Many of you may have watched the Tonight Show with Jay Leno, where two amateur radio operators (K7JA Chip Margelli and K6CTW Ken Miller) operating CW were challenged by two men equipped with cell phones sending text messages. A message was given to one member of the team and Jay gave the signal to start. Chip sent the message to Ken and then Ken read the message back to Jay Leno in record time. The two cell phone men were totally surprised. Congratulations to Chip and Ken!

I talked to Ray Hicks WH6CME in Boise, Idaho last week. He is doing fine and asked to be remembered to everyone. He and his daughter Sandra Collins (Associate) are having a new house built. It will be completed in three months.

Jack Sanders KH6KT is visiting on the west coast and hopes to visit Ham Kaneshiro AH6HB in Las Vegas while he's there. When Jack returns he will be building a new home (designed by him) at Discovery Harbour in Naalehu.

I have just completed a banner for BIARC. I tried copying Don Bartron's BIARC logo as best I could. It will be on display at Field Day. Please make sure you set June 25th aside and visit

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NEXT MEETING SATURDAY

**June 11th
2:00 p.m.**

At the Kea'au Community Center located off Old Volcano Road at the end of the street behind the Fire Station.

We will start with our program (Field Day Preparation) then refreshments, and then have our short membership meeting.

Anyone interested in ham radio is welcome to attend.

June Birthdays

AH7H	Rick Frazier	15th
NH7UW	James Adams	18th
KH7ZJ	Ken Cutting	11th
KH6ATQ	Larry Iwami	6th
N8ZBJ	Andrew Kangas	30th
AH6GD	Ted Ross	9th
WY6G	Herb Vanderbeek	22nd
KD6QAJ	Karen Young	18th

**Happy Birthday
to all !!!**

EAST HAWAII NET

The East Hawaii Net meets on Monday, Wednesday and Friday mornings at 8AM, local time, on 146.76 mhz-, Sign on and check us out.

PRESIDENT'S MESSAGE

...continued

Hawaiian Paradise Park Activity Center at 17th and Makuu during that day. See Ken Brown's article for more particulars. We sure could use some more operators this year, especially over Saturday night. Nancy Parry NH7RT is going to come up with a notice to be displayed in the local schools and local bulletin boards inviting the public to attend Field Day.

Ron Harris KY6N filled us all in on W7KFI, Susan Beckley, a 70 year old woman sailing a 32 foot boat from Mexico to Hilo solo. She signs into the Pacific Seafarers Net every night (14.313) at 5:30PM local time. We'll be keeping in touch with her and hopefully get to meet her when she arrives in Hilo. I heard her tonight (May 15) and she reported that she had cut her hand on a can of beans. They will be keeping in touch with her to see whether she has any problem with her hand becoming infected or not.

Lori Miner AH6OS has taken on the task of getting a plaque made for BIARC to be presented to Business Automation for the many years of excellent service they have provided us. Since Sean is the manager of the copy department of Office Max we are getting our printing done there now.

The audit of our financial records for 2004 has been completed by Bill NH7RQ and Nancy NH7RT Parry and Doris KH6ER Carlson. Everything was found to be in order. Thank you Ron AH6HN for doing such a good job and thank you to our three auditors for taking the time to complete the job.

Ted NH6YK will not be here for Field Day this year. He and Lisa will be traveling to Turkey in June. He will be taking lots of pictures and will try to operate from there. In November he will do a program on Turkey to go along with our planned turkey dinner.

Tomorrow morning (May 16) I will be having hand surgery. Hopefully will be all healed by Field Day. Hope to see many of you then.

Barbara Darling NH7FY President

FIELD DAY

Field day is quickly approaching. Last year we had a lot of fun and made a lot of QSOs. This year I believe we can have even more fun, and we can top our last year's score. While our geographic isolation may make direct competition with mainland stations seem unrealistic, we can set our own goals, such as working all states or working every ARRL/RAC section. What it takes is enough operators to keep us on the air throughout the contest period, and planning.

This year we are going to have two HF stations on the air. So we need two HF transceivers, preferably with good narrow filters for both CW and SSB. My old TS-440 can serve again for one of the HF rigs, and Lloyd KH6LC's TS-450 may be the other HF rig. A headset with boom microphone and a foot switch for PTT would be very helpful for operating phone. I may have a setup that will work on a Kenwood. If anyone else has a headset with boom mic that is ready to go for a Kenwood TS-440 or TS-450 please let me know.

We will have a triband beam for each HF station. We know of four or five tribanders available; two under Wilbur KH7E's house, two at Robert NH6AH's and Lloyd KH6LC has at least one. Wilbur said that one of the ones under his house is a bit complicated to assemble. Lloyd is tuning his up for the CW portion of the bands. So we will use Lloyd's and decide between the smaller one under Wilbur's house and Robert's for the other station. There have been a number of support mast possibilities offered. For one of the tribanders we can do what we did last year at the end of the building. Using rope and pulleys the antenna went up pretty smoothly. Finding a location for the other tribander may be a bit of a challenge, because so much of the area near the building has Helco power lines running over it. We may need a fairly long coax run, perhaps to the baseball backstop, for the second tribander.

Ted NH6YK has offered the use of

some bandpass filters. This will simplify the setup for the two stations, as they will not have to share the coaxial stubs I had built last year. Each station will have its own set of filters. If we can round up a couple of five position coaxial switches, we may even have the bandpass filters at one station switch selectable. Using a switch for the coax stubs is probably not an option, since the length of the stubs would have to be adjusted to compensate for the delay through the switch.

We need two computers for logging. Wilbur KH7E and Lori AH6OS have volunteered theirs. We will use CT again this year for the logging program. I intend to hold at least one training session well before Field Day to familiarize all operators with CT. The program can be downloaded for free from the internet at www.k1ea.com. We will be using the latest available DOS version of CT, not CT for Windows. I recommend that all operators who have internet access download the program and practice using it.

Eddie W7GMH has offered his brand new 6 kW generator set.

Some comfortable chairs for the operators would also be nice.

The main topic for June BIARC General Meeting will be Field Day. We will be assigning some specific responsibilities at this meeting. Here are some of the tasks that will be assigned: Station Czar for each HF station, Bonus point coordinator, Generator Power Master, Alternate Power Source VHF Station Chief. Some of these may be determined before the June meeting, and some of them may be further divided to more than one person. We will also try to make an operator schedule which will help us keep both stations on the air as much as possible for the entire 24 hour period.

Please read the Field Day rules. They are available on the ARRL web site and in QST. Bring your favorite set of headphones, key or paddle and an assortment of adapters so they can plug in to whatever type jack might be

on the rigs.

I am looking forward to another great Field Day operation, and hope you are too.

DE Ken N6KB
email to n6kb@arrl.net

BIG ISLAND AMATEUR RADIO CLUB

Preliminary

General Membership Meeting -
Saturday, May 14th, 2005

Call to order by the President at 2:00P

In attendance were 32 members (sign-in sheet is attached to, and made a part of these minutes)

President Barbara [NH7FY] asked everyone to introduce themselves and indicate anything noteworthy (radio related or otherwise)

Treasurer's report as furnished by Ron [AH6HN] indicates a balance of \$2490.74 (subject to audit) (this report is attached to, and made a part of the minutes)

Membership, while passing the triple digit mark last month, continues to increase. With a count of 107 going into today's meeting, at the conclusion BIARC counted 109 members.

Secretary's report- as published in the April 2005 newsletter

Approved

President reported the following:

Dates of importance:

Friday, June 3rd - Board meeting

Saturday, June 11th - General Membership meeting.

Old Business-

14 members have replied indicating that they would accept the BIARC Bulletin via electronic means. The savings of transmitting it this way will reduce the burden on the treasury for printing and mailing.

Ken [N6KB] gave an update on Field Day; Lori [AH6OS] and Wilbur [KH7E] offered laptop computers for use that day, along with Bob [NH6AH] and Eddy [W7GMH] who will furnish a tri-band antenna and generator, respectively.

Barbara [NH7FY] mentioned that the club has received a proclamation from the Mayor indicating the week of June 19th as Amateur Radio Week in Hawai'i County. And perhaps the County's top elected official will be in attendance at Field Day. Hawai'i County Civil Defense will be contacted with information about Field Day, along with the importance of amateur radio communication during emergencies.

Bob [AH6J] presented a very complete and comprehensive report on the status of the repeaters. While the entire report is made a part of the minutes and is available from the Secretary for review, a summary is given herewith.

During this month (May) the following work has already been performed: the Mauna Loa repeater was removed for repair and upgrade, and in its place was installed a portable unit; various units were repaired and upgraded; a planning session was held among the repeater group individuals. Much Mahalo to Bob [AH6J], Ralph [AH6RF] and Ron [AH6HN].

Various items, such as repeaters, controllers, antennas, have been or will be available shortly thanks to the generosity of BIARC members. This is in addition to the equipment we have presently in service. (The monetary value of this loaned/donated equipment represents a very sizeable commitment to BIARC. A sizable mahalo is extended to all the donors.)

Plans were announced for the additions, upgrading and/or replacement of equipment.

A list of needed items was submitted, along with a proposal to allocate the sum of one-thousand dollars (\$1,000) from the treasury to fund such purchases.

A call went out for those with experience in sheet metal work or wood working to assist in the fabrication of equipment enclosures.

And at the conclusion, a summary was

given as to the end results, as well as a call for assistance with time or money for the repeaters.

With regard to Health and Welfare, it was reported that Mary [K6FK], Lloyd [KH6LC] and Wilbur [KH7E] were recovering/have recovered from the effects of various physical ailments. Since Wilbur was in attendance today, we look forward to the return of Mary and Lloyd in the not too distant future.

The audit of the club's finances for the year 2004 has been completed, and all is in order. Thanks to Nancy [NH7RT], Bill [NH7RQ] and Doris [KH6ER].

New Business-

Information about a plaque for Business Automation was given by Lori [AH6OS]. She detailed the wording for the plaque as well as the cost (approximately \$35.) The purpose for the recognition was for past service of printing the BIARC Bulletin. A motion was made by Mike [NH7JT] and seconded by Doris [KH6ER] and approved by a voice vote to order a plaque as indicated by Lori.

A call for operators and others to assist at Field Day was made.

Upon Bob's [AH6J] proposal for funds for the repeaters, a motion was made by Bob and seconded by Ted [NH6YK] regarding the allocating of the sum of one-thousand dollars (\$1,000) from the treasury to be utilized for the purpose of repairing, upgrading and/or adding to the repeater system. After much discussion, the earmarking of the amount requested was approved. It was indicated that there will be additional reporting as to how much of the treasury is identified for use as repeater funds.

The program for the afternoon was presented by Jim [KH6SKY]. The subject was Radio Astronomy, in particular Amateur Radio Astronomy. Besides giving a very informative presentation accompanied with a slide presentation, Jim had a working receiving station set-up outside collecting data in real time. And the search for ET continues!

Adjournment by the President at 3:50P

-k- Mike Last [NH7JT] Secretary

BIARC Member's Photo Gallery



*Barbara NH7FY and Richard AH7G
at Coconut Island ARC operation*



*Clarence Smith AH7A
and Kenny Bell KH6AFQ*



*Max Zenobi
KH6ZM*



*Sidney Sellers
NH7OD*



*Benjamin, BIARC mascot
Dad is Lloyd KH6LC*

REPEATER PROGRESS AND PLANS

Progress:

Big Island Amateur Radio club (BIARC) owns and operates Repeaters on Mauna Loa, Pepeekeo, Kulani, Kau and a UHF repeater at Kilohana. In the recent past BIARC has replaced antennas on Mauna Loa, Kulani and Kau. In addition we replaced the planking on the Mauna Loa tower.

On May 5, 2005 Ron, Ralph and Bob removed the repeater on 146.82 (Mauna Loa) for upgrade and repair. We replaced it temporarily with the 146.68 portable repeater.

On May 9, 2005 the repeater group met in a planning session. During this session our master plan was updated and much of the information in this article was formulated.

On May 10th & 11th we continued worked on upgrades and repairs. On the 11th we were joined by Kim Kleider, KD6QAI, and Karen Young, KD6QAJ. We tuned four duplexers, repaired two repeaters and began building the new machines for Kulani and Mauna Loa.

We have or will have shortly, courtesy of Ralph, Wilber, and other people: (this is addition to equipment that is in service now)

1 IFR Service Monitor - Ralph
\$6000

2 VXR 7000 VHF repeaters - Ralph
\$1500/\$3000 (Ordered)

2 RLC-4 controllers - BIARC \$500/
\$1000

2 Alinco UHF Link radios - Club/
Ralph \$275/\$550

1 GE MVP UHF repeater - Wilber
\$500

Fans as needed Harvey
\$20 each

1 UHF Beam Harvey
\$100

Plans:

1. Replace/upgrade Mauna Loa 146.82 & Kulani 146.76 with new Yaesu repeaters, controllers, link radios and associated antennas.
2. Add a UHF link repeater, UHF link radio, and replace the VHF antenna with a high gain dual band antenna at Mauna Loa.
3. Swap the UHF link repeater at the Kilohana (Girl Scout Camp) with the GE MVP. This saves the club \$100 in Crystals and the price of one synthesized UHF radio.
4. Add a second UHF link radio and antenna to Kulani 146.76
5. Replace the OLD 146.88 repeater at Pepeekeo with the newer GE Master 2 repeater and link radio from Mauna Loa.
6. Upgrade the 146.68 portable repeater with a UHF link and portable antenna. This will make it easier to deploy.

Needs:

1 UHF/VHF diplexer - Diamond
\$50

1 set 146.88 crystals - Int. Xtal
\$106 (ordered)

2 40 amp Power Supplies - Diamond
\$360

1 Dual Band antenna - Diamond
\$150

2 Audio Delay Boards - Link Comm
\$118 (ordered)

1 UHF link radio (used) - Alinco
\$116

Subtotal \$900

Estimated Shipping

\$100

\$1000

Total

We need volunteers especially someone with sheet metal expertise to make shelves for the repeater equipment cabinets. If no one is found maybe a wood worker will volunteer to make two cabinets or a few wood shelves for the metal cabinets we may find.

THE BOTTOM LINE:

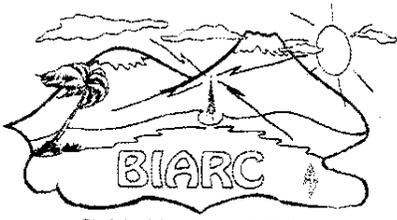
When we finish this "phase" we will have new repeaters and upgraded systems capable of being linked together. You will be able to talk to and from Kau, Hilo, Kona and Waimea. The repeaters will be able to link on command or run separate. We like to run separate for events like the Rim Run, marathons and other special events.

If anyone would like to donate time or money to the repeater group, please do so. We could use \$5 or \$500+. It will allow us to get new coax, connectors and things that will come up to maintain the system. We are always trying to improve the system however we are unpaid volunteers and our financial resources are limited.

Thank you to all the BIARC members for the quick approval of additional funds at the May 14th meeting. We will use it quickly and wisely.

**Visit the BIARC Website at
www.interpac.net/~biarc**

**Thanks to webmaster
Clifton Leonard, KH6XJ**



Big Island Amateur Radio Club

P.O. Box 1938, Hilo, HI 96721

MEETINGS & GET-TOGETHERS

Membership Meetings -

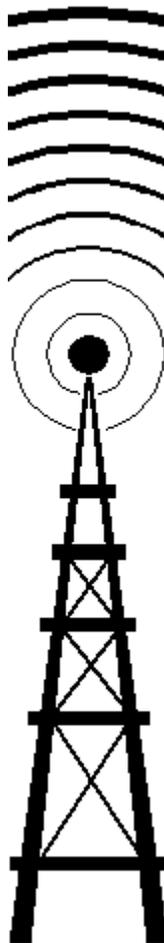
2nd Saturday of each month at the Kea'au Community Center at 2:00 p.m.

Board Meetings -

On Friday, one week prior to the membership meeting, at the Hilo Hawaiian Hotel, at 1:30 p.m.

Friday Lunches -

Every Friday at the Queens Court Restaurant in the Hilo Hawaiian Hotel. Meet in lobby between 11:00 - 11:15 a.m. Or we will see you inside in the far left corner.



REPEATERS

*=ARES Linked **=RACES Linked

This is the status as of 1/22/04.

- 145.29- HOVE - KAU (141.3Hz) WH6FC
- 146.72- Mauna Kea (1st Tue noon) AH6J
- 146.76- Kulani KH6EJ
- 146.82- Mauna Loa (ARES) KH6EJ *
- 146.88- Pepeekeo KH6EJ
- 146.92- Kau PD KH6EJ
- 146.94- Haleakala Maui (ARES) WH6KO
- 147.00+ Glenwood (141.3Hz) AH6GG
- 147.02+ Haleakala Maui (RACES) KH6H **
- 147.04+ Mauna Loa (RACES) AH6JA **
- 147.10+ Waiakea HS AH6GO
- 147.16+ Hualalai Kona KH6DEW*
- 147.32+ Waimea Hospital NH7HI *
- 147.38+ Waimea East KH7T
- 443.20+ Hakalau (programable) AH6RF
- 146.58s Hakalau (programable) AH6RF