



November 2025

THE BIG ISLAND HAMGRAM

The newsletter of the Big Island Amateur Radio Club



How and Where to Get Started
in Homebrewing

Radio, Not Beer.

But also maybe beer...

You don't need to start big, you just need to start: Options abound

William Polhemus, NH6ET, treated members to another venture into the rewarding world of building your own stuff — “homebrewing” for hams — at the October meeting.



It was a continuation and expansion of an earlier presentation by NH6ET. He stepped in when the scheduled speaker

had to drop out. View his “homebrewing” user-friendly tutorial via a link on the BIARC website, biarc.net.

First off: Know that minimal tools are needed to get started.

“Even a pair of scissors will cut through a copper wire,” William noted. “The entry level is not very tool intensive.”

Continued on next page



Above: Joseph Rosenbaum, WH6JOE, and David Miller, KH6CZ

BIARC shares vital need for comms in emergency prep at Fern Forest event

On Saturday Nov. 1, members of the Big Island Amateur Radio Club's Education and Outreach Committee were on hand to speak about emergency preparedness as it relates to communications at the Puna Mauka community collaborative show-and-tell pop-up event in Fern Forest.

Members encouraged to attend Nov. 9 business decision-making meeting

The annual election of board members will be held during the second general membership business meeting of the year from 2-5 p.m. on Sunday, Nov. 9, at Kamana Senior Center. Three director positions are open. To make a nomination, contact any Executive Board member.

Think about serving as a director on the BIARC Executive Board. Or sign up to be on a committee. To learn about the club's structure, constitution and bylaws, go to the BIARC website, biarc.net.

Members are encouraged to attend the twice-a-year decision-making meeting, and to join in the discussion and voting on various items.

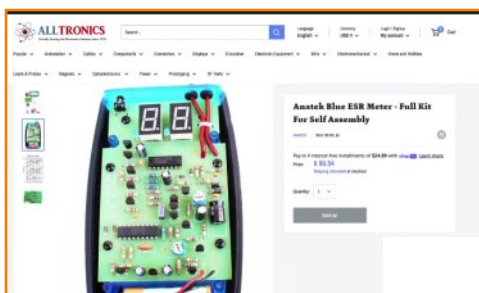
What would you like your club to do for you, and what would you like to do for your club?

The meeting location is at 127 Kamana St. in Hilo. Can't make it? No worries: The link to participate online is at biarc.net.

Also in the works: the annual BIARC Holiday Party. This year's event

Agenda includes election of 3 new board members

will be from 12:30 to 5 p.m., on Sunday, Dec. 14, with set-up starting at noon. As usual, the event is potluck, with signup in advance to help with the planning. Please let coordinators know by early December how many persons will be coming and what famous dishes you will be preparing. To sign up, please visit: <https://signup.com/go/VKroubH>



Homebrewing in Action



NorCal QRP Club 49er kit
Designed by Wayne Burdick, N6KR



A compact competent transceiver
covering 12, 10 and 6 meters,
designed and built by Jim Veatch,
WA2EJ

From simple kits to complex systems — homebrewing grows with you.

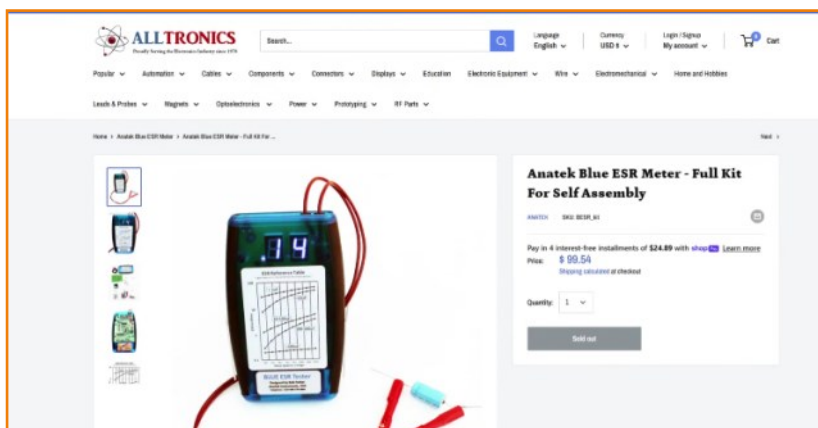
Homebrewing — From Page 1

“Start small,” he advised, and build your skills as you go. And he offered examples of many kits available for the many bits and pieces of equipment that make ham radio possible.

“You just need to start,” he advised. “You don’t have to start big.”

Advanced Homebrewing

- Once you’re comfortable with kits and basic circuits, it’s natural to start customizing and innovating.
- Advanced homebrewing includes:
 - Designing your own circuits (oscillators, filters, mixers, amplifiers)
 - Scratch-building enclosures and front panels
 - Surface-mount soldering and multi-layer PCBs
 - Microcontroller integration (e.g., Arduino, ESP32, Raspberry Pi)
- Often includes reverse-engineering or improving commercial gear.
- At this level, many hams create tools and radios that rival commercial products!



BIARC Executive Board

Thomas Avila, KH6GG, was re-elected club president at the January BIARC Executive Board meeting. Others on the 2025 leadership team are Vice President David Miller, KH6CZ, Secretary Joseph Rosenbaum, WH6JOE, and Treasurer Tony Kitchen, WH6DVI.

The seven-member board also includes two at-large directors, Mark Watanabe, WH6FSA, and Shawn Farley, WH6GXZ, and our KH6EJ station trustee, William Polhemus, NH6ET.

Members of the club are encouraged to get involved at a committee level on one or more of the BIARC standing committees. There are many ways to help, and the committee activities vary widely.

As NH6ET noted, the committee level is where things happen. And the committees need “boots on the ground.” So, if you see a committee focus that interests you, hop aboard.

Here are the committees:

Digital Systems: Luke McKay WH6GRW(Chair), Gary Schwiter WH6EPS, Shawn Farley WH6GXZ, Trevor Manago KH6IM and Jason Estrella WH6GZZ

Education and Outreach: David Miller KH6CZ(Chair), Joe Rosenbaum WH6JOE, Mark Watanabe WH6FSA, Fred Fischer WH6HAA, Jim Tatar WH6EMN, Leigh Critchlow WH6LC, Les Hittner K0BAD

Operating Activities: Joseph Rosenbaum WH6JOE(Chair), John Bush KH6DLK, Tony Kitchen WH6DVI

Programs: William Polhemus NH6ET (Chair), Joseph Rosenbaum WH6JOE

Public Service Communications: Les Hittner K0BAD(chair), Jim Tatar WH6EMN

Voice Repeaters: Trevor Manago KH6IM(chair), Gary Schwiter WH6EPS, William Polhemus NH6ET, Joe Rosenbaum WH6JOE, Steve Brown KH6SB, Stefan Pommerenk NH6SP, Shawn Farley WH6GXZ, Luke McKay WH6GRW, Frank Roff KH6BFD

Meeting refreshments: Chair Jim Tatar, WH6EMN

The BIARC board meets at noon on the second Sunday of each month, followed by the 2 p.m. monthly membership program, at Kamana Senior Center in Hilo. All members are welcome at both sessions, and the meetings are accessible live via the Internet. Find the links on our website, biarc.net.

Grid Madness: The 2025 results are in

Overall:		From Mel	Class:			
		KH6EKD				
		Temporary GM host				
1	KH6LOL	10768	1	KH7CN	BASE	1088
2	AH6KO	2376	2	WH6DVI	BASE	550
3	NH7O	2067	3	KH6TU	BASE	486
4	WH6HEO	1324	4	KH6EKD	BASE	442
5	WH6GRW	1149	5	KH6UU	BASE	258
6	KH7CN	1088	6	WH6LC	BASE	190
7	KH6PO	560	7	KH6HAM	BASE	166
8	WH6DVI	550	8	WH6EY	BASE	150
9	KH6SB	510	9	KH6ML	BASE	136
10	KH6TU	486	10	KB6EGA	BASE	95
11	KH6EKD	442	11	NH7IT	BASE	36
12	KH6HT	399	12	WH7D	BASE	31
13	WH6KM	322	13	WH7WZ	BASE	30
14	KH6RDO	268	14	AH6U	BASE	18
15	KH6UU	258	1	WH6HEO	HT	1324
16	WH6LC	190	2	KH6PO	HT	560
17	KH6HAM	166	3	WH6KM	HT	322
18	WH6EY	150	4	KH6RDO	HT	268
19	KH6ML	136	5	WH6JOE	HT	42
20	KO4V	129	6	NH7PE	HT	40
21	KB6EGA	95	1	KH6LOL	MOBILE	10768
22	WH6JOE	42	2	AH6KO	MOBILE	2376
23	NH7PE	40	3	NH7O	MOBILE	2067
24	NH7IT	36	4	WH6GRW	MOBILE	1149
25	WH7D	31	5	KH6SB	MOBILE	510
26	WH7WZ	30	6	KH6HT	MOBILE	399
27	AH6U	18	7	KO4V	MOBILE	129
28	KH6CP	12	8	KH6CP	MOBILE	12

Our hard working "tally man" Darrell KH6RDO spent many nights slaving over our log entries. Finally he's done!!! Here's the latest from him:

The top 5 OVERALL winners are:
 1-KH6LOL (10768pt)
 2-AH6KO (2376pt)
 3-NH6O (2067pt)
 4-WH6HEO (1324pt)
 5-WH6GRW (1149pt)

The top 5 BASE STATIONS are:
 1-KH7CN (1088pt)
 2-WH6DVI (550pt)
 3-KH6TU (486pt)
 4-KH6EKD (442pt)
 5-KH6UU (258pt)

The top 5 MOBILES are:
 1-KH6LOL (10768pt),
 2-AH6KO (2376pt),
 3-NH7O (2067pt),
 4-WH6GRW (1149pt),
 5-KH6SB (510pt).

The top 5 HT PORTABLES are:
 1-WH6HEO (1324pt),
 2-KH6PO (560pt),
 3-WH6KM (322pt),
 4-KH6RDO (268pt),
 5-WH6JOE (42pt).

For the stations that included their club affiliation:
 1-MARC (13,616pt)
 2-BIARC (7939pt)
 3-EARC (893pt)
 4-Big Island Radio (30pt)
 5-Koolau ARC (12pt)

There were 1152 pts that were not designated to any club.

28 logs submitted, of which only 6 logs were in format other than Excel.

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There were 11 stations that participated but did not submit logs so we did a reverse log in order to confirm contacts. We found that 3 of those stations had over 140 pts with 1 station having 741 pts. There were 2 additional stations with over 40pts. If these 6 stations had submitted logs, they would have changed the outcome of the contest.

Darrell

=====

Be on the lookout for your individualized certificates now being processed by Tony WH6DVI.

Thanks to Leigh WH6LC for her computer and design assistance.

Thank you for participating and helping make this year's Grid Madness an enjoyable success.

73,

Mel
KH6EKD
Temporary GM host

Grid Madness results

Island:

1	AH6KO	BIG ISLAND	2376
2	WH6HEO	BIG ISLAND	1324
3	WH6GRW	BIG ISLAND	1149
4	KH7CN	BIG ISLAND	1088
5	WH6DVI	BIG ISLAND	550
6	KH6SB	BIG ISLAND	510
7	KH6EKD	BIG ISLAND	442
8	KH6RDO	BIG ISLAND	268
9	WH6LC	BIG ISLAND	190
10	KB6EGA	BIG ISLAND	95
11	WH6JOE	BIG ISLAND	42
12	NH7PE	BIG ISLAND	40
13	WH7WZ	BIG ISLAND	30
1	WH6EY	KAUAI	150
1	KH6LOL	MAUI	10768
2	NH7O	MAUI	2067
3	KH6PO	MAUI	560
4	KH6TU	MAUI	486
5	KH6UU	MAUI	258
6	KH6HAM	MAUI	166
7	KO4V	MAUI	129
8	AH6U	MAUI	18
1	KH6HT	OAHU	399
2	WH6KM	OAHU	322
3	KH6ML	OAHU	136
4	NH7IT	OAHU	36
5	WH7D	OAHU	31
6	KH6CP	OAHU	12

Club:

KH6RDO	268
WH6GRW	1149
KH6EKD	442
WH6LC	190
AH6KO	2376
KH7CN	1088
WH6JOE	42
WH6HEO	1324
WH6DVI	550
KH6SB	510
WH7WZ	30
KH6ML	136
WH6KM	322
KH6HT	399
NH7IT	36
KH6CP	12
WH6LOL	10768
KO4V	129
KH6TU	486
KH6HAM	166
NH7O	2067
WH6EY	150
WH7D	31
KH6UU	258
AH6U	18
KH6PO	560
NH7PE	40
KB6EGA	95

Score:

BIARC	7939
BIARC	
BIARC	
BIARC	
BIARC	
BIARC	
BIARC	
BIARC	
BIARC	
BIG ISLAND RADIO	30
EARC	893
EARC	
EARC	
EARC	
Ko'olau ARC	12
MARC	13616
MARC	
MARC	
MARC	
N	1152
N	
N	
N	
N	
N	

Club participates in CQ Worldwide DX contest

The Big Island Amateur Radio Club (BIARC) participated in the CQ Worldwide DX contest (CQ WW) on Saturday, October 25, with an event at the Kamana Senior Center in Hilo.

The CQ WW is the largest Amateur Radio competition in the world. Over 35,000 participants take to the airwaves on the last weekend in October (SSB) and

November (CW) with the goal of making as many contacts with as many different DXCC entities and CQ Zones as possible.

“There were around 10 hams and we only made about 12 contacts altogether (due to antenna restrictions at the venue.) That didn't really matter because everyone had a good time playing with equipment (including log-

ging contacts on the new club laptop computer), talking story and enjoying pizza. The event allowed for newer and more experienced hams to share knowledge, experiences and have a chance to test equipment.

“Overall, I would say the event was successful by its own measure,” said event organizer Joseph Rosenbaum, WH6JOE.

Pass The Bill - Have You Sent Your Letter Yet?



PASS THE BILL - Click Now!

Eliminate HOA Prohibitions on Amateur Radio Antennas

arrrl.org/HOA



Ask anyone who has done it – it takes just a few seconds to click on the website, enter your call sign, and click the submit button. Every licensed radio amateur in the United States is encouraged to follow the link from www.arrrl.org/hoa and take part in ARRL's grassroots effort to pass the *Amateur Radio Emergency Preparedness Act*. It will stop restrictive homeowners associations (HOAs) from preventing ham radio operators from installing antennas — enabling them to support community service efforts and avoid creating emergency communications deserts in neighborhoods where millions of Americans live. You can do your part in less time than it takes to have a QSO. Follow the link and send your letter today!

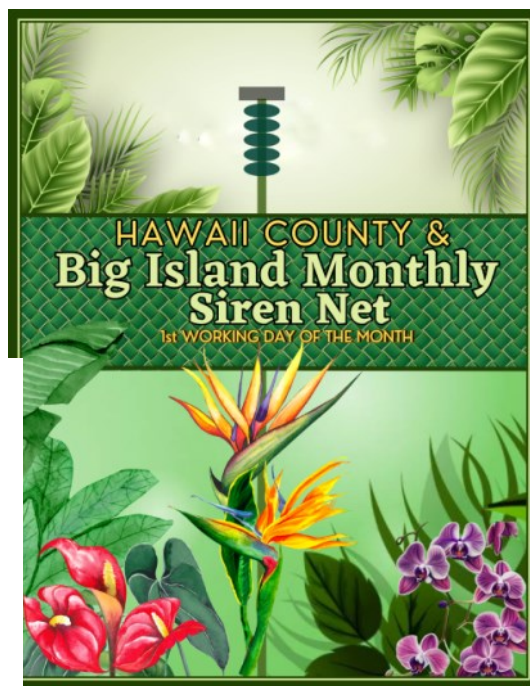
The Hawaii County Siren Report for November

From Darrell Asuka, KH6RDO, for the Big Island ARES Group

Location	Observer	Mode	Status	Notes
NOT WORKING				
HA112 Kolekole	KH6RDO	Allstar	Not Working	rotates only, no sound
HA802 Honoapu	WH6HC	DMR	Not Working	
HA910 Ainaloa	WH6DVI	Mauna Kea	Not Working	
HA916 Kehana Beach	KH6AQ	Email	Not Working	

PARTIALLY WORKING				
HA925 HPP #1 Paradise / Ala Kai	KH6CZ	Mauna Kea	Partially Working	10 sec on, break, then 15 sec on

WORKING				
HA104 Banyan Dr	KH6ATU	Email	Working	
HA106 Lanikaula	KH7MS	DMR	Working	
HA107 Federal Building Downtown	WH6HBH	Allstar	Working	
HA111 Honomu	KH6RDO	Allstar	Working	
HA113 Hakalau	WH6ECX	Text	Working	
HA115 Paukaa	AH6JA	Email	Working	
HA117 Ainako Park	WH6FSA	Allstar	Working	
HA120 Mohouli Park	WH6GNK	Email	Working	
HA123 Waikamalo Park Ninole	WH6FIQ	Text	Working	
HA125 Kaumana School	KH7BR	Email	Working	
HA201 Laupahoehoe Lookout	WH6FSE	Allstar	Working	
HA202 Laupahoehoe Point	WH6FSI	Allstar	Working	
HA301 Paauilo	WH6HFT	Email	Working	
HA304 Ookala	WH6GDC	Allstar	Working	
HA401 Waimea Park Kamuela	WH6EHJ	Mauna Kea	Working	
HA402 Waiaka Bridge Kamuela	WH6EHJ	Mauna Kea	Working	
HA405 Puako General Store #1	WH6EHJ	Mauna Kea	Working	
HA407 Kawaihae Harbor	WH6EHJ	Mauna Kea	Working	
HA412 Waikoloa Beach Resort	KH6BFD	Allstar	Working	
HA502 Keokea Park Kohala	WH7PE	Email	Working	
HA503 Kamehameha Park Kohala	WH7WZ	Text	Working	
HA611 NELHA Kona	WH6GTD	Email	Working	
HA702 Captain Cook	WH6WF	Email	Working	
HA801 Naalehu	WH6HC	DMR	Working	
HA803 Punaluu / Sea Mountain	WH6HC	DMR	Working	
HA804 Pahala	WH7BR	DMR	Working	
HA809 HOVE Reef Blvd #3	WH6FC	DMR	Working	
HA901 Mountain View	WH6LC	Email	Working	
HA907 Hawn Beaches Park #1	KH7LM	Mauna Kea	Working	
HA911 Hawn Beaches #2 Wela St	NH7PE	Text	Working	
HA912 HPP #2 4th & Awapuhi	WH6HAA	Mauna Kea	Working	
HA937 Waa Waa	NH7PE	Text	Working	
HA410 Mauna Lani Resort	KH6BFD	Allstar	Working	
HA809 HOVE Reef Blvd #3	WH6HFA	DMR	Working	



The BIARC channel on
Youtube is: [https://
www.youtube.com/
@BigIslandAmateurRadio-
Club](https://www.youtube.com/@BigIslandAmateurRadio-Club)

**BIARC Executive Board
Regular Meeting
October 12, 2025
Kamana Senior Center**

The meeting was called to order at 12:04 p.m. |
by Board Secretary Joseph Rosenbaum. A
quorum of 4 board members were present.

Attendance:

- Board members: Tony Kitchen, William Polhemus, Shawn Farley and Joseph Rosenbaum.

Secretary's Report and Minutes:

- William moved and Tony seconded to approve the September 2025 Secretary's report. Motion passed.

At 12:10 Mark Watanabe and Frank Ousley

joined the meeting.

Treasurer's Report:

- See attached. Joe moved and Shawn seconded to approve the Treasurer's report, subject to audit. Motion passed. The most recent purchase was for a club laptop computer. The cost was \$611.

Committee Reports:

Digital Systems:

- Nothing new to report.

Education and Outreach:

- See attached.

Operating Activities:

- Arranged for pickup and delivery of

supplies for the CQWW event held on
October 25th from 9:00 a.m. until 5:00 p.m.
at the Kamana Senior Center.

Programs:

- Today's program will be on homebrewing ham radio and related equipment. In November we will have the annual membership meeting and election. December's meeting will be the holiday party.

Public Service Communications:

- Tony moved and William seconded to accept the resignation of Les Hittner as chairperson of the Public Service Communications Committee. Motion passed. Les will stay on as a committee member. The board thanked Les for his many years of service.

Tony mentioned that the Great Hawaiian Shakeout will be held on October 16, 2025.

More information at

<https://www.shakeout.org/hawaii/whyparticipate/index.html>

Voice Repeaters:

- Nothing new to report.

Old Business:

- Discussion was held on holiday party expenses and Leigh will be consulted about the budget.

New Business:

- Discussion was held on nominations and the decision was made not to stand up an ad-hoc nominations committee and the board is handling nominations en masse as the board. If any board members receive nominations, they shall forward that to all the other board members. Tony Kitchen and Mark Watanabe do not intend to run for re-

MINUTES

From previous page

election. Shawn Farley will run again.

- Discussion was held on ordering flyers for school and other events. Tony said he had plenty and David will make arrangements to get a reasonable amount from Tony.

Other Business:

- Discussion was held on publishing meeting minutes. The decision was made to inform the board that the minutes were going to be sent to the Hamgram editor, Leigh Critchlow to publish, unless there are any corrections or additions. Notice will be given to the board with a reasonable amount of time to respond. If no board member objects to the minutes, they will be submitted for publication.
- Discussion was held on club continuity. Tony and Mark's positions expire on January 1st, 2026. William intends to vacate his trustee position sometime around May, or later if necessary. Discussion turned to having an understudy for all board and other appropriate positions. We also spoke about the Hamgram and asking Leigh to show one or two of us how she puts the newsletter together. Tony talked about the need for a book about how we implement the constitution and by-laws along with the policies and procedures of the club. This book would define standard operating practices for clarity and would be held by the Secretary for continuity with the incoming board. The Secretary will document all this information with collaboration from the board. This needs to be codified in the by-laws by a member motion at the next business meeting. Joe moved and Tony seconded to adjourn the meeting at 12:58 p.m. Motion passed.

Next meetings:

- The next meeting will be held on November 9, 2025 at the Kamana Senior Center in

2026 ARRL Foundation Scholarship Program is Now Accepting Applications

The scholarships were established by generous donors and are managed by the ARRL Foundation as a means to inspire youth to explore amateur radio and to pursue higher education and related career paths -- and especially in wireless communications.

In 2025, the ARRL Foundation awarded 170 awards totaling \$800,000. More information and the online application are available www.arrl.org/scholarship-program.

The ARRL Foundation Scholarship Program has opened the application window for 2026 scholarships. Applications will be accepted through December 30, 2025, at 12 PM EST. Students are encouraged to apply for more than 170 scholarships ranging from \$500 to \$25,000. All applicants must be active, FCC-licensed amateur radio operators.



ARRL FOUNDATION

Administering Programs to Support the Amateur Radio Community

Hilo. The executive board meeting will be at 12:00 p.m. and the semi-annual membership meeting will be at 2:00 p.m. The links to attend online are at <https://www.biarc.net/>

Respectfully submitted,
Joseph Rosenbaum,
Secretary.

Donated Fund Summary:

As of: 10/11/2025

<u>Year</u>	<u>BIARC Equipment Budget</u>	<u>Donations (Credit)</u>	<u>Equipment Purchases & Maintenance Costs</u>	<u>\$ Covered By Fund</u>	<u>Repeater Fund Balance</u>
2017	\$600.00	\$273.00	\$932.75	\$332.75	-\$59.75
2018	\$1,000.00	\$235.00	\$266.98	\$0.00	\$175.25
2019	\$500.00	\$255.00	None	\$0.00	\$430.25
2020	\$500.00	\$501.72	\$436.78	\$0.00	\$931.97
2021	\$600.00	\$1,595.00	\$1,548.28	\$948.28	\$1,578.69
2022	\$950.00	\$729.00	\$0.00	\$0.00	\$2,307.69
2023	\$950.00	\$455.75	\$2,626.92	\$586.84	\$2,176.60
2024		\$858.85	\$0.00		\$3,035.45
2025		\$403.74	\$333.15	\$333.15	\$3,106.04

Notes: This fund holds amounts donated to be used for communications infrastructure, maintenance, & upgrades.

Humanitarian Fund:

<u>Year</u>	<u>\$ Donated</u>	<u>Amount Spent</u>	<u>Balance</u>
2022	\$395.00	\$140.00	\$255.00
2023	\$158.75	\$0.00	\$413.75
2024	\$53.25	\$0.00	\$467.00
2025			

Treasurer's Report

As of 10/11/25 BIARC has received dues from 2 additional members bringing the 2025 paid membership count to 68.

We purchased from Amazon.com a laptop computer, paid for by Check#1872 in the amount of \$611.51. This purchase came out of the General Fund, and resulted in our Equipment line item being approximately \$300 over the amount budgeted for 2025. The increased allocation was approved at the September 2025 Executive Board meeting. Refer to the 9/25 minutes under old business.

The United States Air Force Military Auxiliary Radio System (AFMARS) will hold its 77th annual special event from 0001 UTC November 8 through 2359 UTC November 11, 2025.

Stations W1A, W1E, W1C, and W1W will be on the air from Scott AFB, Illinois, in the General and Technician portions of 80 – 10 meters (excluding 60 meters) using voice, CW, and digital (FT8). All amateur radio operators are invited to participate in the event. There will not be any QSL cards issued but a downloadable certificate will be available in mid-December. For more information, visit [Air Force Military Auxiliary Radio System \(AFMARS\)](#).



BIARC Operating Statement

	<u>2025 Budget</u>	<u>Actual 10/11/25*</u>
Income:		
Dues	\$1,300.00	\$1,448.13
Repeater and general Donations	\$400.00	\$408.11
Humanitarian Donations	\$100.00	\$0.00
PayPal Convenience Fees	\$26.00	\$40.51
Total Income	<u>\$1,826.00</u>	<u>\$1,896.75</u>

Disbursements:

Committees

Digital Systems	0**	\$333.15
Education & Outreach	\$75.00	\$0.00
Operating Activities	\$400.00	\$117.78
Programs	\$100.00	\$0.00
Public Service Communications	\$0.00	\$0.00
Voice Repeaters	0**	\$0.00

Club Administration

Club Liability Insurance	\$220.00	\$200.00
Club Equipment Insurance	\$220.00	\$0.00
Equipment	\$400.00	\$699.26
P. O. Box Fee	\$280.00	\$296.00
Humanitarian Awards	\$0.00	\$0.00
Office Supplies/Bank Fee/Misc.	\$10.00	\$0.00
Online Services	\$175.00	\$226.58
Paypal Transaction Fees	\$46.00	\$20.13
Total Expenses	\$1,926.00	\$1,892.90

Net (Income - Expenses)	\$3.85
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Account Balances:

as of: 10/11/25

BOH checking Account	\$3,940.58
Namecheap Balance (Website)	\$1.00
Paypal Account Balance	\$1,375.49
Total	\$5,317.07

Fund Balances: (10/11/25)

Infrastructure fund	\$3,106.04
Humanitarian Fund	\$467.00
Emergency Reserves	\$1,000.00
General Fund	\$744.03
Total Funds	\$5,317.07

* Income figures show dues and donations received for the 2025 dues year.

** 2025 Voice Repeaters & Digital Systems Projects will be funded from the Infrastructure Fund.

(Per Motion at February 15th Board Meeting)

BIARC

Education & Outreach Committee Report – November 3, 2025

Activity

Oct. 1 – Waiakaa Elementary School Science Fair (Fred, Jim, David, Leigh). Joe in action:



Oct. 1 - BIARC/E&OC members in the Siren Test Net (VOAD and All Star).

Oct. 12 – BIARC Executive and Member Meetings at Kamana Center.

Oct. 15 - HVOAD monthly Combined committee meeting.

Oct. 22 – HVOAD Communications Working Group meeting.

Oct. 25 – CQWW Event at Kamana Center w Joe facilitating.

Nov. 1 – Fern Forest Emergency Prep Fair w Joe and David representing BIARC. See Joe's Discord synopsis.

E&OC school events:
Next up:
School: Waiakeawaena Elementary
Location: Andrews Gym
Date: Friday, November 14th, 2025
Time: 5:00pm-7:00pm

Scheduled

Nov. 3 – Siren Test Net.

Nov. 8 – Veterans Day Parade w James organizing BIARC participation.

Nov. 9 – BIARC Semi Annual meeting.

Nov. – HVOAD Combined Committee meetings.

Nov. – HVOAD Communications Working Group meeting.

Nov. 14 - E&OC Outreach at the Waiakeawaena Elementary School Science Fair.

Planned

- Further educational elements re ham radio via Video Presentation
- Further refine the Photo Release for Minors at BIARC E&OC supported events.
- Execute the Museum of Science and Technology agenda through 2026 and solicit participation at Emergency Prep and Readiness events in Puna.
- Integrate the BIARC PC material and enrich EOC presentations.

BIARC E&OC Membership

Leigh Critchlow WH6LC, Fred Fischer WH6HAA, Joe Rosenbaum WH6JOE, Jim Tatar WH6EMN, Mark Watanabe WH6FSA, Les Hittner KB6AD

Thanks to all members for their generosity, on and off the air.

David Miller - BIARC Education and Outreach Committee

Name	Approximate Location	Island	Device
Dewey, nh6m	Ahiakawa Kailua-Kona	Hawaii	heltec-wireless-tracker
Meshtastic cc7f	Ahiakawa K-K	Hawaii	tracker-t1000-e
Meshtastic 12a8	Ahualoa	Hawaii	rak4631
Meshtastic 60f3	Ahualoa	Hawaii	rak4631
WH6HAA-M1	Ainaloa	Hawaii	tracker-t1000-e
HBMCI	Amalulu	Hawaii	station-g2
BROVO 1	9834 East Volcano	Hawaii	heltec-v3
Eoh Pam	East Volcano	Hawaii	tracker-t1000-e
Farley- Server	East Volcano	Hawaii	rak4631
Foh-ENV	East Volcano	Hawaii	station-g2
GYZ 001	East Volcano	Hawaii	rak4631
Hitchiker	East Volcano	Hawaii	heltec-v3
hitchiker rf udp	East Volcano	Hawaii	tracker-t1000-e
hitchikerAL	East Volcano	Hawaii	heltec-v3
hitchiker-udp	East Volcano	Hawaii	heltec-v3
KH6GG Node 2	East Volcano	Hawaii	portduino
LM-Base	East Volcano	Hawaii	heltec-vision-master-t190
LM-Experimental	East Volcano	Hawaii	station-g2
LM-Meshsense	East Volcano	Hawaii	portduino
Mauna Loa Beacons Relay Control	East Volcano	Hawaii	heltec-v3
MLE_Net 5a60	East Volcano	Hawaii	heltec-v3
Nurse Dude AlphanuZ	East Volcano	Hawaii	heltec-v3
Nurse Dude tdeck	East Volcano	Hawaii	heltec-mesh-mode-t114
nurse dude V4 qth	East Volcano	Hawaii	t-deck
Nurse Dudes Vision	East Volcano	Hawaii	heltec-v4
Ranches base	East Volcano	Hawaii	heltec-vision-master-t190
WH6GQD	East Volcano	Hawaii	rak4631
wh6gxz meshtoad	East Volcano	Hawaii	tracker-t1000-e
WH6GXZ Mini Mesh	East Volcano	Hawaii	portduino
wh6gxz-udp	East Volcano	Hawaii	portduino
WH6GXZ-Fox	East Volcano	Hawaii	portduino
JT Mobile Mesh	East Waimea	Hawaii	tracker-t1000-e
Meshtastic 92ac	East Waimea	Hawaii	heltec-v3
pi4-30db-whha	East Waimea	Hawaii	portduino
Unlimited_Laa	FA Mountain View	Hawaii	portduino
solar monolith beta	Hale Pohaku	Hawaii	tracker-t1000-e
Kohala 8CA6	Hawi	Hawaii	rak4631
Kohala 8ca6	Hawi	Hawaii	rak4631
Meshtastic 70c4	Haw'n Ocean View	Hawaii	rak4631
BK72	Hillside-Sunrise Sub	Hawaii	tlora-v2-1-1p6
F2PB1	Hillside-Sunrise Sub	Hawaii	tlora-v2-1-1p6
GIX8	Hillside-Sunrise Sub	Hawaii	tlora-v2-1-1p6
GIX9	Hillside-Sunrise Sub	Hawaii	t-deck
GIXBT2	Hillside-Sunrise Sub	Hawaii	tlora-v2-1-1p6

MESH-TASTIC MODE NODE MAP GROWS EACH DAY

STATE-WIDE LISTING AS OF NOV. 4

Makalei nh6m	Kailua-Kona	Hawaii	heltec-v3
solar-huehue 7593	Kailua-Kona	Hawaii	rak4631
WH7Q Kailua Kona	Kailua-Kona	Hawaii	station-g2
Ahiakawa NH6M	Kalaoa	Hawaii	heltec-v3
Dewey nh6m	Kalaoa	Hawaii	heltec-wireless-tracker
Kalaoa 1490	Kaloko	Hawaii	rak4631
Meshtastic 0b20	Kaloko	Hawaii	
Meshtastic 6c0d	Kalopa Mauka	Hawaii	t-echo
Pi3-30db Kawaihae 8ff0	Kawaihae	Hawaii	portduino
Solar Sierra	Kawaihae	Hawaii	heltec-v3
Kelan's Phone	Kawaihae Rd	Hawaii	tracker-t1000-e
KH 7b78	Kawaihae Rd	Hawaii	heltec-wireless-tracker
Heltec mesh node T114	Kawaihae Rd Waimea	Hawaii	heltec-v3
Mesh HPP c918	Keaau	Hawaii	heltec-v3
Mesh HPP c9a0	Keaau	Hawaii	heltec-v3
Meshtastic ee30	Keaau	Hawaii	tlora-v2-1-1p6
Gibby	Keahole	Hawaii	tracker-t1000-e
Keahole pt	Keahole Airport	Hawaii	rak4631
CB202	Keaunohu Kona	Hawaii	heltec-v3
N8CMB	Keaunohu Kona	Hawaii	heltec-mesh-node-t114
Meshtastic c78b	Keaukaha	Hawaii	tracker-t1000-e
kilohana east e873	Kilohana	Hawaii	rak4631
Kilohana solar West	Kilohana	Hawaii	rak4631
Kilohana Solar 6w-3k 6c8e	Kilohana Scout	Hawaii	rak4631
Hanaipoe mana ac9f	Kilohana Scout area	Hawaii	rak4631
HC Jumper	Kilohana Scout area	Hawaii	heltec-v3
Meshtastic a2e9	Kilohana Scout area	Hawaii	rak4631
Meshtastic CC58	Kilohana Scout area	Hawaii	heltec-v3
Kohala Hoea Rd 3	Kohala	Hawaii	heltec-v3
Kohala Hoea Rd 55-358-1	Kohala	Hawaii	heltec-v3
Kohala Hoea Rd 55-358-2	Kohala	Hawaii	heltec-v3
Hawi 570f	Kohala Mtn Rd	Hawaii	rak4631
Kalopi Bad1	Kohala Mtn Rd	Hawaii	rak4631
Kalopi repeater	Kohala Mtn Rd	Hawaii	heltec-v3
Station G2 Control	Kohala Mtn Rd	Hawaii	station-g2
6IA seed Hilo	Komohana	Hawaii	tracker-t1000-e
SS RANGER MAGNUM	Kona	Hawaii	t-deck
Acti+B3:B17on Potential	Kona Village	Hawaii	t-echo
Mobile1	Kukila Hilo	Hawaii	heltec-v3
Meshtastic 2d76 (mobile)	Lalamilo	Hawaii	tracker-t1000-e
Meshtastic 482f	Lalamilo	Hawaii	rak4631
Meshtastic 5e38	Lalamilo	Hawaii	rp2040-lora
Meshtastic 6453	Lalamilo	Hawaii	t-echo
Meshtastic 8295	Lalamilo	Hawaii	tracker-t1000-e
Meshtastic be48	Lalamilo	Hawaii	lilygo-tbeam-s3-core
Meshtastic cc87	Lalamilo	Hawaii	
Meshtastic e18e	Lalamilo	Hawaii	tracker-t1000-e

COMPILED BY KH6RDO, continues on next page

HI Mesh Project - Waiakea CERT Team 2	Hillside-Sunrise Sub	Hawaii	heltec-v3
WH6GIX	Hillside-Sunrise Sub	Hawaii	tlora-v2-1-1p6
Demo1	Hilo	Hawaii	station-g2
Ghostline 2	Hilo	Hawaii	heltec-v3
HI Mesh Project - Waiakea CERT Team 1	Hilo	Hawaii	heltec-v3
HIJJ HiMesh Project - Waiakea CERT 4	Hilo	Hawaii	heltec-v3
HIJJ HiMesh Project - Waiakea CERT 5	Hilo	Hawaii	heltec-v3
hijj hlmESH Project-Waiakea CERT 3	Hilo	Hawaii	heltec-v3
hijj hlmESH Project-Waiakea CERT 6	Hilo	Hawaii	heltec-v3
keychain_black_M	Hilo	Hawaii	rak4631
KH6RDO Hilo	Hilo	Hawaii	rak4631
Meshtastic Potatoes	Hilo	Hawaii	station-g2
Meshtastic 1210	Hilo	Hawaii	rak4631
Meshtastic 3151	Hilo	Hawaii	t-echo
Meshtastic 4474	Hilo	Hawaii	
Meshtastic e048	Hilo	Hawaii	heltec-v3
Mrshtastic d2a4	Hilo	Hawaii	station-g2
Naboa 1	Hilo	Hawaii	heltec-v3
PHTO	Hilo	Hawaii	rak4631
PM T1000 d7e0 (mobile)	Hilo	Hawaii	tracker-t1000-e
Potala MV a747	Hilo	Hawaii	rak4631
WH6EMN-B	Hilo	Hawaii	station-g2
WH6EMN-Demo-M3	Hilo	Hawaii	tracker-t1000-e
WH6EMN-M1	Hilo	Hawaii	tracker-t1000-e
WH6EMN-M2	Hilo	Hawaii	nano-g2-ultra
WH6FSA-M	Hilo	Hawaii	tracker-t1000-e
WH6HEO_2680	Hilo	Hawaii	heltec-v3
WH6HEO_BB30	Hilo	Hawaii	heltec-v3
KD2HWH b394	Hilton Waikoloa	Hawaii	t-beam
Meshtastic fec4	Holualoa Kona	Hawaii	t-beam
Honokaa Hospital M1	Honokaa	Hawaii	tracker-t1000-e
Solar Pad alpha	Honokaa	Hawaii	rak4631
AH6DL 6DL1	Honoum	Hawaii	rak4631
AH6DL Honoum T	Honoum	Hawaii	Liligo t-beam S3 core
AH6DL roam a05e	Honoum	Hawaii	t-echo
HOV2 c318	HOVE	Hawaii	heltec-v3
KH7MS-Home	HOVE	Hawaii	heltec-v3
KH7MS-M2	HOVE	Hawaii	heltec-v3
WH6FC_Mesh_dcc6	HOVE	Hawaii	t-echo
Kaloli-6CZ	HPP	Hawaii	rak4631
ND0B in HPP	HPP	Hawaii	heltec-v3
Meshtastic 07e4	Hualalai 4 Seasons	Hawaii	
solar kilo	Hualalai 4 Seasons	Hawaii	rak4631
Patches	Hualalai Villas	Hawaii	tracker-t1000-e
Meshtastic 4dda	Kahului	Hawaii	heltec-mesh-node-t114
Elab Pi Waveshare A021	Kailua-Kona	Hawaii	rak4631
K7JBS KOA	Kailua-Kona	Hawaii	heltec-v3



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PI400-30db	Lalamilo	Hawaii	portduino	Meshtastic d2b9	Waimea	Hawaii	tracker-t1000-e
solar IP67 gps alpha	Lalamilo	Hawaii	rak4631	pi4-30db-hoku desk	Waimea	Hawaii	portduino
WH6EHJ - 2fc5	Lalamilo	Hawaii	rak4631	PI4K-30db	Waimea	Hawaii	portduino
KH6EKD-2	Laupahoeohoe	Hawaii	heltec-v3	solar mini alpha	Waimea	Hawaii	rak4631
Meshtastic 71ea	Laupahoeohoe	Hawaii	rak4631	solar mini block	Waimea	Hawaii	rak4631
KB SenseCAP Tracker ca9a	Lower Palasides	Hawaii	tracker-t1000-e	Solar Papa	Waimea	Hawaii	heltec-v3
LMTK-7c	Lower Volcano	Hawaii	tracker-t1000-e	T-Beam S3 9d24	Waimea	Hawaii	lilygo-tbeam-s3-core
WH6GXZ-ecom	Lower Volcano	Hawaii	portduino	Waikii 74c0	Waimea	Hawaii	heltec-v3
H2T	Lower Waimea Town	Hawaii	heltec-mesh-node-t114	Waikii G2	Waimea	Hawaii	station-g2
Meshtastic ace1	Lower Waimea Town	Hawaii		Waikii Repeater	Waimea	Hawaii	rak4631
solar monolith	Lower Waimea Town	Hawaii		Waimea Homesteads	Waimea	Hawaii	rak4631
LMTK-23ac	Mana	Hawaii	rak4631	Wardriver beta	Waimea	Hawaii	rak4631
HPKU Hale Pohaku	Mauna Kea	Hawaii	station-g2	Cyclops	Waimea Town	Hawaii	rak4631
Ditto	Mauna Kea Beach	Hawaii	heltec-v3	Solar Lima	Waimea Town	Hawaii	rak4631
Onix	Mauna Kea Beach	Hawaii	heltec-v3	T-Beam Control	Waimea Town	Hawaii	t-beam
Solar Tango Mauna Lani	Mauna Lani	Hawaii	rak4631	T-Beam S3 Alpha	Waimea Town	Hawaii	liligo-tbeam-s3-core
MLOA-01 BIARC	Mauna Loa	Hawaii	station-g2	LaeLae Repeater 4952	Waimea Watershed	Hawaii	rak4631
SW	Mid Kawaihae Rd	Hawaii	tracker-t1000-e	Meshtastic 03a7	Waimea Watershed	Hawaii	tracker-t1000-e
APRS Igate Eden Rock 96771	Mountain View	Hawaii	heltec-vision-master-t190	Meshtastic 4154	Waimea Watershed	Hawaii	rak4631
KH6GG (mobile)	Mountain View	Hawaii	t-deck	Meshtastic b1d4	Waimea Watershed	Hawaii	heltec-v3
KH6GG T-1000	Mountain View	Hawaii	tracker-t1000-e	Meshtastic 6570	West HI Concrete	Hawaii	heltec-v3
WH6EPS-B	Mountain View	Hawaii	station-g2	Meshtastic 7764	West HI Concrete	Hawaii	heltec-v3
WH6EPS-M	Mountain View	Hawaii	nano-g2-ultra	Meshtastic e3b7	Wright Rd Volcano	Hawaii	tracker-t1000-e
WH6EPS-M2	Mountain View	Hawaii	tracker-t1000-e	Borg-Server		Hawaii	station-g2
WH6EPS-M3	Mountain View	Hawaii	station-g2	CB999		Hawaii	t-deck
WH6JOE-B	Mountain View	Hawaii	heltec-v3	ele'ele		Hawaii	heltec-v3
WH6JOE-M1	Mountain View	Hawaii	tracker-t1000-e	Kelan's Car		Hawaii	heltec-v3
WH6LC-B1	Mountain View	Hawaii	heltec-wsl-v3	kg6hwh		Hawaii	heltec-v3
Max Davis	Mud Lane	Hawaii	rak4631	KH6GG-uGG		Hawaii	portduino
Solar Mamalahoa	Mud Lane	Hawaii	heltec-v3	LM-Logging		Hawaii	portduino
AH6V-00ec	Ninole	Hawaii	heltec-v3	Meshtastic 7871		Hawaii	heltec-mesh-node-t114
AH6V-6d04	Ninole	Hawaii	heltec-v3	Meshtastic 7c67		Hawaii	rak4631
AH6V-6ee0	Ninole	Hawaii	heltec-v3	MLOA-2		Hawaii	station-g2
KH6DM G2 f5c4	Ninole	Hawaii	station-g2	ORCA Uconsole		Hawaii	portduino
KH6GM Spec5 7f60	Ninole	Hawaii	heltec-wireless-tracker	Solar Sensor		Hawaii	rak4631
KH6GM T1000 bcd5 (mobile)	Ninole	Hawaii	tracker-t1000-e	SuM19374		Hawaii	heltec-v3
Paauiio Mauka 1609	Paauiio	Hawaii	rak4631	VolcanoAI		Hawaii	portduino
Wardriver (mobile)	Paauiio Mauka	Hawaii	rak4631	WH6EBS-M2		Hawaii	tracker-t1000-e
KH6HAK-B2	Pahoa	Hawaii	station-g2	wh6gz-POE		Hawaii	rak4631
KH6HAK-M1	Pahoa	Hawaii	tracker-t1000-e	WH6GXZ-ube		Hawaii	portduino
HIMesh Project - Hilo	Panaewa	Hawaii	heltec-v3	WH6GZZ		Hawaii	heltec-mesh-node-t114
KH6RDO-Pepeekeo	Pepeekeo	Hawaii	heltec-v3	WH6HAA		Hawaii	tracker-t1000-e
Pepeekeo-BIARC	Pepeekeo	Hawaii	heltec-wsl-v3	WH6HEO-Cold Xiaoeer		Hawaii	seed-xiao-s3
Solar Keamuku	Pohakuloa	Hawaii	rak4631	WH6HEO-Hot Xiaoeer		Hawaii	seed-xiao-s3
Meshtastic 2dcd	Puako	Hawaii		WH6EY-Repeater	Wailua	Kauai	rak4631
HRCC Fast Node	UH West Hawaii	Hawaii	heltec-mesh-node-t114	WH6EY-Unit1	Wailua	Kauai	rak4631
solar node golf	Upper HOVE	Hawaii	rak4631	WH6EY-Unit2	Wailua	Kauai	rak4631



Hale Pohaku alpha 195f	Upper Humuula	Hawaii	rak4631	Haiku Makai	Haiku	Maui	Liligo t-beam S3 core
Waikii Coast	Upper Waikii	Hawaii	rak4631	Robert	Haiku	Maui	t-deck
Pocket V2 Gamma	Upper Waikoloa	Hawaii	rak4631	Haleakala Repeater	Haleakala	Maui	rak4631
MLE top 28	Volano	Hawaii	rak4631	Haleakala Summit Repeater	Haleakala	Maui	rak4631
Car54 f324	Volcano	Hawaii	tracker-t1000-e	Mat2 f48b	Kahului	Maui	rak4631
HA01 (mobile)	Volcano	Hawaii	tracker-t1000-e	6C t-deck	Kahului	Maui	t-deck
KH7DQ Doug	Volcano	Hawaii	tracker-t1000-e	KG6hwh	Kahului	Maui	t-rcho
KH7DQ-Base	Volcano	Hawaii	station-g2	Meshtastic 1a8d	Kahului	Maui	tracker-t1000-e
Meshtastic 2b34	Volcano	Hawaii		MIHNakoa	Kahului	Maui	t-beam
MLE_Net 1424	Volcano	Hawaii	heltec-v3	MIHTdeck	Kahului	Maui	t-deck
VERT Planning Section Chief	Volcano	Hawaii	tracker-t1000-e		1001010 Kealahou Ridge	Maui	tracker-t1000-e
WH6EBS R4	Volcano	Hawaii	station-g2	Kihei1	Kihei	Maui	rak4631
WH6EBS-M1	Volcano	Hawaii	tracker-t1000-e	Meshtastic c814	Kihei	Maui	
WH6EBS-R3	Volcano	Hawaii	station-g2	Octogrid 01	Kihei	Maui	t-echo
WH6LQ	Volcano	Hawaii	tracker-t1000-e	Octogrid 6	Kihei	Maui	diy-v1
WH7BR-Base	Volcano	Hawaii	rak4631	Octopie Base Node	Kihei	Maui	portduino
WH7BR-M1	Volcano	Hawaii	tracker-t1000-e	pmow mobile	Kihei Ridge	Maui	t-echo
gunwale	Volcano Golf Sub	Hawaii	tracker-t1000-e	Cloud Castle Farm	Kula	Maui	lilygo-tbeam-s3-core
NH6ET	WaaWaa	Hawaii	heltec-wsl-v3	WH6FXV-1 Fixed	Kula	Maui	heltec-v3
HIMesh Project - Moku O Keawe	Waiakea Uka	Hawaii	heltec-wsl-v3	KH6TU	Lahaina	Maui	heltec-v3
Sodna	Waiuanueue	Hawaii	t-beam	Big Kahuna 44e4	Launiupoko Lahaina	Maui	tracker-t1000-e
Meshtastic da94	Waiuanueue Hilo	Hawaii	heltec-v3	Launiupoko df60	Launiupoko Lahaina	Maui	rak4631
PI400-30db	Waikii	Hawaii	portduino	Meshtastic 90fa	Maalaea	Maui	t-echo
Solar HP	Waikii Waimea	Hawaii	rak4631	Colin Makawao	Makawao	Maui	tlora-v2-1-1p6
solar waikii west	Waikii Waimea	Hawaii	rak4631	Kanaka1	Makawao	Maui	rak4631
Waikii	Waikii Waimea	Hawaii	rak4631	KH6HHG d510	Makawao	Maui	heltec-v3
KH_7B78	Waikoloa	Hawaii	heltec_wireless_paper	KH6UU d03c	Makawao	Maui	rak4631
Meshtastic 0488	Waikoloa	Hawaii	t-deck-pro	Meshtastic d287	Makawao	Maui	t-echo
Mobius T-Echo	Waikoloa	Hawaii	t-echo	Silversword aabc	Makawao	Maui	heltec-v3
Dekko Drone	Waikoloa Beach	Hawaii	tracker-t1000-e	Tav G2Nano Ultra	Makawao	Maui	nano-g2-ultra
M3at	Waikoloa Beach	Hawaii	tracker-t1000-e	Tavis G2	Makawao	Maui	station-g2
Meshtastic 4efc	Waikoloa Village	Hawaii	t-beam	Black Bag	Olinda	Maui	t-echo
Orca Techo	Waikoloa Village	Hawaii	t-echo	WS85 WX 4011	Olowlow	Maui	rak4631
6JA seed Hilo	Wailuku	Hawaii	tracker-t1000-e	Blue Mesh	Paia	Maui	
6KSN Seed	Wailuku	Hawaii	tracker-t1000-e	Meshtastic 706C	Paia	Maui	heltec-v3
all your base are belong to us	Waimea	Hawaii	rak4631	Meshtastic 7568	Paia	Maui	liligo-tbeam-s3-core
Chris Hawkins	Waimea	Hawaii	rak4631	Meshtastic 4b68	Pukalani	Maui	station-g2
Drone	Waimea	Hawaii	tracker-t1000-e	Meshtastic 9380	Pukalani	Maui	lilygo-tbeam-s3-core
elab router pi4-30db ba5a	Waimea	Hawaii	portduino	Tavis T-Echo	Pukalani	Maui	t-echo
Hawi Rd Waimea e3c9	Waimea	Hawaii	rak4631	6C T-deck	Wailuku	Maui	t-deck
Hokuula Solar	Waimea	Hawaii	heltec-v3	6C_seed	Wailuku	Maui	tracker-t1000-e
HPA MQTT Gateway	Waimea	Hawaii	rak4631	Mat1 ed54	Wailuku	Maui	rak4631
Kamika 336b	Waimea	Hawaii	tracker-t1000-e	Mat3 7052	Wailuku	Maui	rak4631
Mana Road 59ab	Waimea	Hawaii	rak4631	Mat4 8355	Wailuku	Maui	tracker-t1000-e
Meshtastic 0429	Waimea	Hawaii		Mat5 d67f	Wailuku	Maui	tracker-t1000-e
Meshtastic 9c38	Waimea	Hawaii	tracker-t1000-e	Meshtastic 73e8	Wailuku	Maui	
Meshtastic b981	Waimea	Hawaii	rak4631	pmow test	Wailuku	Maui	t-echo



From previous page

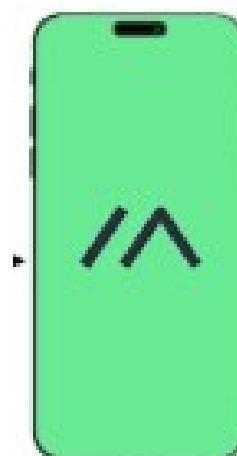
Randy 7140	Wailuku	Maui	heltec-v3	Meshtastic 5778	MCBH Kaneohe	Oahu	
Wailuku Repeater (MQTT)	Wailuku	Maui	station-g2	Meshtastic d724	MCBH Kaneohe	Oahu	heltec-v3
Atlavox 54		Maui	rak4631	Meshtastic a211	Nuanu Valley	Oahu	
Haiku K9-H 2f26		Maui	rak4631	keolu kailua bmo	Olomana	Oahu	heltec-v3
KH6UU repeater		Maui	rak4631	7o SOUTH 20 fbba	Palolo	Oahu	t-echo
SunMesh 915a Solar		Maui	heltec-v3	7o Traveling SEED 1edf	Palolo	Oahu	tracker-t1000-e
Meshtastic 607d	Honolulu	Molokai	t-echo	Meshtastic 6530	Palolo	Oahu	tlora-v2-1-1p6
ENTM_Peaberry	Kaunakakai	Molokai	heltec-mesh-node-t114	KH6ML Pearl City Fixed	Pearl City	Oahu	heltec-v3
Meshtastic 4d61	Kualapuu	Molokai	t-echo	HiMesh Project - Aiea	Pearl Harbor	Oahu	station-g2
Meshtastic d311	Kualapuu	Molokai	t-echo	Meshtastic 259d	Pearl Harbor	Oahu	
ENTM_Solar	Molokai High School	Molokai	rak4631	Meshtastic 3a1f	Pearl Harbor	Oahu	t-echo
ENTM_T-deck (mobile)	Molokai High School	Molokai	t-deck	Meshtastic 412c	Pearl Harbor	Oahu	helyec-v3
ENTM_Terminal	Molokai Shores	Molokai	rak4631	Borg 8e34	Pearl Ridge	Oahu	heltec-vision-master-t190
ENTM-Peanut	Molokai Shores	Molokai	heltec-v3	Meshtastic 2bcc	Pearlridge	Oahu	heltec-vision-master-t190
NH7IT 03	Ala Wai	Oahu	heltec-v3	KH6ML-mobile T-Echo2	Punchbowl	Oahu	t-echo
KH6OWL Home 6424	East Kapolei	Oahu	heltec-v3	KaiserT114_23b0	Roosevelt High Makiki	Oahu	heltec-mesh-node-t114
Sugoi Mesh	East Kapolei	Oahu	tracker-t1000-e	Kakaako 09b8	Roosevelt High Makiki	Oahu	heltec-v3
SWTI 37C	East Kapolei	Oahu	rak4631	Hikers Solar PW Manoa	Upper Manoa	Oahu	rak4631
hawaii_gaz	Enchanted Lake	Oahu	heltec-v3	SLH2 c1ab	Upper Palolo	Oahu	t-echo
Hawaii_gaz	Enchanted Lake	Oahu	heltec-v3	SLH1 9ef2 (mobile)	Upper Palolo	Oahu	t-echo
KH6ML Bad Echo	Enchanted Lake	Oahu		Traveler TECHO-9430 (mobile)	Upper Palolo	Oahu	t-deck
Meshtastic 4c7f	Enchanted Lake	Oahu		KH7EC-A	Waialae Kahala	Oahu	heltec-v3
Meshtastic 8454	Enchanted Lake	Oahu	t-echo	KH7EC-B	Waialae Kahala	Oahu	heltec-v3
Meshtastic e71b	Enchanted Lake	Oahu		KH7EC-H	Waialae Kahala	Oahu	heltec-v3
Meshtastic 6a44	Ewa	Oahu		LoRa 6CP 514c	Waialae Kahala	Oahu	heltec-v3
AH6WN RAK Mobile	Ewa Beach	Oahu	rak4631	Meshtastic b8a6	Waialae Kahala	Oahu	heltec-mesh-node-t114
Atlavox B2 6894	Ewa Beach	Oahu	rak4631	Meshtastic de16	Waialae Kahala	Oahu	
Ewa by Gentry	Ewa Beach	Oahu	rak4631	sukebe mesh	Waialae Kahala	Oahu	t-lora-pager
GreenRed ff58	Ewa Beach	Oahu	lilygo-tbeam-s3-core	T Deck Complete	Waialae Kahala	Oahu	t-deck
HelGreenBlack 5898	Ewa Beach	Oahu	heltec-v3	WH6OMG 51d1	Waialae Kahala	Oahu	tracker-t1000-e
Neatom	Ewa Forest Reserve	Oahu	t-beam	HiMesh Project - Waianae	Waianae	Oahu	station-g2
Meshtastic 90b4	Ewa Plains	Oahu	t-beam	D3 310 w	Waialele	Oahu	heltec-v3
Meshtastic 22c9	Halawa	Oahu	seed Card Tracker T1000-E	Meshtastic 70b8	Waialele	Oahu	heltec-v3
7o Minami ch20 c067	Hawaii Kai	Oahu	t-echo	holdsteady	Waialele	Oahu	tracker-t1000-e
KH6D Spec5	Hawaii Kai	Oahu	t-deck	Meshtastic 05b4	Waialele	Oahu	
Last Responder	Hawaii Kai	Oahu	rak4631	Meshtastic 4b27	Waialele	Oahu	
Meshtastic e68b	Hawaii Kai	Oahu	heltec-mesh-node-t114	Meshtastic e6d2	Waialele	Oahu	tracker-t1000-e
WisMesh Pocket 718a	Hawaii Kai	Oahu	rak4631	NH7IT waipuna	Waialele	Oahu	rak4631
K9 43e0	Kahala	Oahu	heltec-v3	ShakataGaNaI/L1Pro	Waialele	Oahu	seed-wio-tracker-l1
KH7EC-R	Kahala	Oahu	rak2560	ShakataGaNaI/WisTag bayme.sh	Waialele	Oahu	wismesh-tag
Meshtastic 4fa9	Kahala	Oahu	wismesh-tag	Wallops Mobile	Waialele	Oahu	rak4631
Meshtastic f504	Kahala	Oahu	heltec-v3	Meshtastic bb08	Waimanalo	Oahu	heltec_wireless_paper
JorgeTV rak3272	Kahaluu	Oahu	rak4631	RUSS bb66	Waimanalo	Oahu	rak4631
MattMobile	Kailua	Oahu	heltec-v3	6136_5634	Waipahu	Oahu	lilygo-tbeam-s3-core
Meshtastic 86d4	Kailua	Oahu		Meshtastic a26c	Waipahu	Oahu	heltec-v4
Meshtastic dfb7	Kailua	Oahu		Meshtastic ba05	Waipahu	Oahu	seed-wio-tracker-l1
Meshtastic e3f0	Kailua	Oahu	heltec-v3	Poi Dog 19f4	Waipahu	Oahu	heltec-mesh-node-t114

X 23f3	Kailua	Oahu	rak4631	Meshtastic Sccc	Waipahu Uka	Oahu	
X Solar - Hillside RPTR	Kailua	Oahu	rak4631	WH6ECG-00 Heeia	Windward Mall area	Oahu	heltec-v3
KH7EC	Kaimuki	Oahu	tracker-t1000-e	AH6T_Mesh_dcc6		Oahu	t-echo
KH7EC-A	Kaimuki	Oahu	heltec-v3	Cincinnati Mobile Rock		Oahu	seed-wio-tracker-l1
Kakaako 4678	Kakaako	Oahu	heltec-v3	ENTM_Paper		Oahu	heltec-wireless-paper
N1PDG-1	Kakaako	Oahu	heltec-v3	KH6EKD-1		Oahu	heltec-v3
Tiki's Loft A	Kakaako	Oahu		KH6ML-b QTH Loft		Oahu	heltec-v3
Kalaeloa	Kalaeloa Airport	Oahu	rak4631	KH6ML-fox		Oahu	heltec-v3
Meshtastic a244	Kalihi Valley	Oahu		NH7IT 02		Oahu	heltec-v3
Meshtastic e8a7	Kalihi Valley	Oahu		WH6ECG-15		Oahu	heltec-v3
ART1 ECHO	Kaneohe	Oahu	t-echo	WH6ECG-2		Oahu	heltec-v3
Keaialu Repeater	Kaneohe	Oahu	rak4631	WH6ECG-5		Oahu	heltec-v3
KH6ML Tracker	Kaneohe	Oahu	seed-wio-tracker-l1	WH6ECG-6		Oahu	heltec-v3
KH6ML-e Echo	Kaneohe	Oahu	t-echo	WH6ECG-7		Oahu	t-deck
KH7EH-03	Kaneohe	Oahu	station-g2	WH6ECG-9		Oahu	t-deck
KH7EH-04	Kaneohe	Oahu	lilygo-tbeam-s3-core	WH6FXV-Dash		Oahu	sensecap-indicator
Meshtastic 212c	Kaneohe	Oahu	rak4631	Feds Watcher	unknown		t-deck-pro
Meshtastic da25	Kaneohe	Oahu	tracker-t1000-e	4248 (mobile)			t-deck
Meshtastic f779	Kaneohe	Oahu		6C Hell-Kat			heltec-v3
WH6FXV-3-06be	Kaneohe	Oahu	t-echo	6C R1			rak4631
Meshtastic 9946	Kapahulu	Oahu	t-echo	6C Wisblock			rak4631
AH6WN RAK1	Kapolei	Oahu	rak4631	6C_M1			thinknode-m1
HiMesh Project - Ewa	Kapolei	Oahu	tracker-t1000-e	6C_Pocket_10k			heltec-mesh-pocket
Meshtastic 7c74	Kapolei	Oahu		6C_Pocket_Mesh_5K			heltec-mesh-pocket
Meshtastic ffc8	Kapolei	Oahu		6CP ESF2			tracker-t1000-e
KH6ML q T-Echo q	Keaialu Kaneohe	Oahu	t-echo	6Mlg Green Peak e206			rak4631
Meshtastic 4194	Koko Head	Oahu		777 6e2b			tracker-t1000-e
302A AIEA Facebook: MESHTASTIC HAWAII	Koolau	Oahu	heltec-v3	7o NORTH 20 5c0b			rak4631
302B Mobile	Koolau	Oahu	heltec-v3	AH6WN T-Deck			t-deck
Tikis.com near Band & Bar Solar	Kuhio Beach	Oahu	rak4631	Alex			heltec-v3
SWTI 37A	Kunia	Oahu	tracker-t1000-e	APRStastic iGate			rak4631
GGGG	Lanikai	Oahu	heltec-v3	AUXC HI			heltec-v3
Pensacola mesh 05	Lanikai	Oahu	tracker-t1000-e	Backpack_jblack_m			rak4631
WH6HEC-2	Lower Makiki	Oahu	tracker-t1000-e	Battery			heltec-mesh-pocket
Makakilo-09	Makakilo	Oahu	rak4631	bDrifter_01 e023			rak4631
Meshtastic 12ec	Makakilo	Oahu	rak4631	bDrifter_03 d368			heltec-v3
Meshtastic d5de	Makakilo	Oahu	heltec-mesh-mode-t114	Bender 72c0			heltec-v3
Meshtastic d5de	Makakilo	Oahu		Bird 6fa1			heltec-mesh-pocket
6MLs KH6ML Card at Work	Makiki	Oahu	tracker-t1000-e	bMesh 32c2			rak4631
KH7TV Echo	Makiki - Roosevelt	Oahu	t-echo	bMeshtastic 637c			heltec-v3
Meshtastic e8cb	Makiki - Roosevelt	Oahu		bmo808-1			t-deck
NH7IT 01	Makiki - Roosevelt	Oahu	t-echo	Bombastic			sensecap-indicator
Basement not monitored 60CD	Makiki Punchbowl	Oahu	heltec-v3	Bruh 45d0			heltec-v3
Manoa/Tantalus mk23	Manoa	Oahu	t-beam	BXvln1			heltec-v3
Upper Manoa - mk23 808	Manoa	Oahu	rak4631	CA-T1000-E-1			tracker-t1000-e
Bradventure	Maunawili	Oahu	heltec-v3	CERT-OL-04			tracker-t1000-e
Pika	Maunawili	Oahu	rak4631	CERT-OL-B-Orchidland			station-g2



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Chee Hoo	heltec-v3	Meshtastic 6dbd	tracker-t1000-e
Coconutwireless CW-A	rak4631	Meshtastic 6ddc	
Coconutwireless CW-R	rak4631	Meshtastic 6e34	rak4631
CoconutWireless CW-S	rak4631	Meshtastic 7060	t-beam
COM2-HI	t-deck	Meshtastic 7280	
COML HI d2f4	heltec-v3	Meshtastic 756c	
comt-5d7c	tracker-t1000-e	Meshtastic 78a3	
CP-Base	rak4631	Meshtastic 7afc	
Crypto5	heltec-v3	Meshtastic 7b94	t-beam
D19G	heltec-v3	Meshtastic 7bd8	heltec-v3
Dominik	rak4631	Meshtastic 7c78	tlora-v2-1-1p6
Elab b14c	heltec-v3	Meshtastic 7d14	rak4631
EMCOM ESF-2	heltec-v3	Meshtastic 7fc4	
ENTM_Peacock	t-deck	Meshtastic 8559	rak4631
ESF2M 739c	heltec-v3	Meshtastic 8d30	station-g2
F2G1	tlora-v2-1-1p6	Meshtastic 8ddf	tracker-t1000-e
FPR.RWMP	rak4631	Meshtastic 8f3c	
Frogstrap c5c5	rak4631	Meshtastic 8fd1	
gogo	t-deck	Meshtastic 9468	
GreenGuy	heltec-v3	Meshtastic 9650	heltec-v3
Harbor Breeze 01	rak4631	Meshtastic 9940	
HAVERLY01	heltec-v3	Meshtastic 9c61	heltec-v3
Hawaiimeshmp	portduino	Meshtastic 9fbc	heltec-v3
Iron Giant	t-echo	Meshtastic a0aa	
JavaMeshHome	heltec-v3	Meshtastic a304	heltec-wireless-tracker
Jays Node	rak4631	Meshtastic a5dc	heltec-v3
KSDCE Base	heltec-v3	Meshtastic a978	
KA4NQS f57c	heltec-v3	Meshtastic aa80	heltec-v3
KaiMT	heltec-v3	Meshtastic abcb	rak4631
Karah_WRXM997	tracker-t1000-e	Meshtastic ade8	
KH6UU 5dd4	heltec-v3	Meshtastic b468	heltec-v3
KH7EC-C	lilygo-tbeam-s3-core	Meshtastic b7dc	
KH7TV Beam	rak4631	Meshtastic b8ac	heltec-v3
Kilohana Solar	tracker-t1000-e	Meshtastic b9c9	tracker-t1000-e
KR-IT-RC	station-g2	Meshtastic b9f9	tracker-t1000-e
Kulamalu MQTT Maui	rak4631	Meshtastic bac7	
Lanikai looking @Kailua & Maui	xiao-nrf52-kit	Meshtastic be24	heltec-v3
LM - Turbotest	rak4631	Meshtastic be90	heltec-v3
LM-Rak	sensecap-indicator	Meshtastic c0f0	
LM-TactCon	station-g2	Meshtastic cac8	heltec-v3
LM-UDPtest	rak4631	Meshtastic ccd4	rak4631
M-1	tracker-t1000-e	Meshtastic cd50	heltec-v3
Maus ab9a	rak4631	Meshtastic ce9e	
Meshtastic b6b8	t-deck	Meshtastic d403	tracker-t1000-e
Meshtastic Terminal	heltec-mesh-mode-t114	Meshtastic d514	heltec-v3
Meshtastic 03ac		Meshtastic d904	
Meshtastic 0506		Meshtastic db70	t-deck
Meshtastic 059d	tracker-t1000-e	Meshtastic defc	heltec-v3
Meshtastic 0660	rak4631	Meshtastic df98	
Meshtastic 06cc		Meshtastic dfe8	heltec-v3
Meshtastic 078a	tracker-t1000-e	Meshtastic e128 (mobile)	t-deck
Meshtastic 0892		Meshtastic e214	
Meshtastic 0c70	rak4631	Meshtastic e744	heltec-v3
Meshtastic 1476		Meshtastic e770	heltec-v3
Meshtastic 147a	rak4631	Meshtastic e9f0	
Meshtastic 14b9		Meshtastic ee90	
Meshtastic 15dc	heltec_mesh_pocket	Meshtastic f6b4	t-deck
Meshtastic 16a2		Meshtastic f728	station-g2
Meshtastic 197c	rak4631	Meshtastic f7c4	heltec-v3
Meshtastic 1a27		Meshtastic f830	heltec-v3
Meshtastic 1a27	rak4631	Meshtastic f8d0	heltec-v3
Meshtastic 2004		Meshtastic f934	heltec-v3
Meshtastic 2026	heltec-mesh-node-t114	Meshtastic fbaf	xiao-nrf52-kit
Meshtastic 214a		Meshtastic fc73	
Meshtastic 21fc	station-g2	Meshtastic fe54	heltec-v3
Meshtastic 2528		Mestastic d0d0	heltec-v3
Meshtastic 25e0	rak4631	MiMobile	lilygo-tbeam-s3-core
Meshtastic 25f0	rak4631	Mkk8	heltec-v3
Meshtastic 2660	rak4631	mkkD	heltec-v3
Meshtastic 276a	t-echo	mkkP	heltec-v3
Meshtastic 27c5	rak4631	mkkT	heltec-v3
Meshtastic 2849	heltec-mesh-pocket	MLCS-2	heltec-v3
Meshtastic 2ac1	t-echo	MLE_752c	station-g2
Meshtastic 3163	rak4631	MLE_Net a5b8	heltec-v3
Meshtastic 3528	rak4631	MLE_Net ce65	rak4631
Meshtastic 36f9		Mloa-H Test	heltec-v3
Meshtastic 36f9	t-beam	Mobiud T1000-E	tracker-t1000-e
Meshtastic 36f8	rak4631	Monkey 8044	rak4631
Meshtastic 3f98	t-deck	msunset	t-deck
Meshtastic 4294	rak4631	MT3	tlora-v2-1-1p6
Meshtastic 4533		NEEZ	heltec-v3
Meshtastic 4ac0	rak4631	Nibbler 8de4	heltec-v3
Meshtastic 4d45		Node Collector EDC Muzi	rak4631
Meshtastic 5073	heltec-v3	NorthRWest 2	
Meshtastic 515c		NorthRWest Base	
Meshtastic 556c		Norwood-Online	heltec-v3
Meshtastic 5890	rak4631	ORCA Hapuna	heltec-v3
Meshtastic 5cfc	rak4631	ORCA T1000e	rak4631
Meshtastic 6190	tracker-t1000-e	ORCA Tdeck Plus (mobile)	tracker-t1000-e
Meshtastic 61d4	rak4631	ORCA Westside	t-deck
Meshtastic 63cd	heltec-v3	Orcatdeck	rak4631
Meshtastic 6615		Paper c244	t-deck
Meshtastic 696e		PatchrZero.Prime	heltec-wireless-paper
Meshtastic 6a2c		Patti	heltec-wsl-v3
Meshtastic 6d44			rak4631



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Pher Mobile
pi3-30db-echo
pi3a-cd98
Pi5-waveshare bfc2
Pi-zero-22db alpha
pi-zeroW-delta
RAK Solar KOKO
Rook Pro
Rookery CAW1
Rookland
Scooby Doo
SenseCap_02
SKW1
Small Kine Lolo Papolo
solar block
Solar DannyK
Solar Oscar
Solar Snake 01
SolarBaker
Station G2
Sugoi Mesh R1
SunMesh 915a
T_Beam_S_986c
T-Beam Beta
T-Beam Gamma
Tbird TT01
tdeck forrestk3
T-Echo a912
T-Echo c7a3
Thomas R1
TK_Heltec_V3
TRE1 9502
Uconsole
VERT Deputy Planning Chief
VERT Fire Dept Liaison
VERT Medical Unit Lead
VERT-01
W4 Solar 0b3d
Wah_Phku_1
WH6ECG-34 Heeia
WH6FIX 1
WH6FIX 2
WH6FXV-0
WH6FXV-1 000c
WH6GEJ RAK2
WH6GPZ-2
WH6OMG solar 1




WH6OMG Solar 2
WH7PD
X Tdeck
zhu 5e08

tracker-t1000-e
portduino
portduino
portduino
portduino
portduino
rak4631

t-echo
t-echo
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tracker-t1000-e
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rak4631
heltec-v3
rak4631

rak4631
heltec-v3
t-deck
heltec-v3

Meshtastic



A LILYGO TTGO T-Beam running in client mode on battery power.

International standard	Based on LoRa, Bluetooth, Wi-Fi
Compatible hardware	Supports ESP32, nRF52840 and others
Physical range	Typically 2–5 km (1.2–3.1 mi), upwards of 100 km (62 mi) possible via mesh
Website	meshtastic.org