

September 2024



THE BIG ISLAND HAMGRAM

The newsletter of the Big Island Amateur Radio Club

2024 ARES Simulated Emergency Test

Where: Hawaii County

When: Saturday, September 14th, 9 AM - Noon, Hot Wash at 1:00 PM

Who: All Licensed Amateur Radio Operators in Hawaii County

Please join us by participating in the 2024 ARES SET. Visit the [2024 Hawaii County ARES SET Web-site](https://sites.google.com/hawaiiastatevoad.org/ares-2024-set-hi-county/) for signup link and more details.

<https://sites.google.com/hawaiiastatevoad.org/ares-2024-set-hi-county/>

See Pages 7-8

Note: The SET is a statewide ARES Communication Exercise. In Hawaii County we use a similar, but customized approach to better service our unique geography and diverse communities.

73, Tony Kitchen, WH6DVI
ARRL, Pacific Section
ARES Assistant Section
Emergency Coordinator

[HawaiiARES] NCS volunteers sought

Based on the positive feedback regarding the ARES Hone Watch Net run (the next to last weekend in August), I would like to develop a group of NCS that are willing/able to sustain future watch nets over a several-day period.

In that respect, we are looking for volunteer NCS for ARES Watch Nets.

NCS need to be available for shift work, have emergency power, capability to operate on 40, 60, 75, and 160 meters, and to operate winlink P2P.

Please contact AH6T@arrl.net to volunteer.

Thank you and Aloha,

Joe Tabrah, AH6T
ARRL Pacific Section
Emergency Coordinator



Atomic clocks at Kauai, Colorado stations provide vital services

Nominations invited for 3 spots on BIARC Executive Board

The role of atomic clocks on Kauai and in Colorado was the program focus, preceded by discussion on upcoming BIARC activities, at our August membership gathering.

The annual BIARC election will be at our November general membership meeting. Nominations are invited for the three BIARC Executive Board positions expiring at the end of the year.

The club structure calls for seven directors. Three are elected each year for two-year terms, which are thereby staggered to ensure board continuity. The seventh member is not elected. This position is filled by the KH6EJ Station Custodian. Current trustee William Polhemus, NH6ET, is serving as ad hoc chair of the nomination committee.

If you'd like to serve the club as a director, or want to nominate another member for a directorship (with his/her approval), send an email to William at his QRZ email address.

Club Treasurer Tony Kitchen, WH6DVI, said nominations also can be sent to a new account he has set up. Nominations can be made until the time of the election, Sunday, November 10, via email at BIARC.board@gmail.com. Nominations also will be accepted at the meeting.

BIARC Digital Systems Committee Chair Shawn Farley, WH6GXZ, said his committee needs more help. Digital is a fast-growing facet of amateur radio. The committee is working hard, but invites input from, and involvement by, additional BIARC members.

Secretary and Operating Activities Committee Chair Joseph Rosenbaum, WH6JOE, said the club will host an



WWV, above, broadcasts on 2.5, 5, 10, 15 and 20 MHz from near Fort Collins, Colorado. WWWH, below, broadcasts on 2.5, 5, 10 and 15 MHz from Kauai. Both stations broadcast a timing signal 24 hours per day, 7 days per week, to listeners all over the world.



News flash: NH6ET confirms that Steve Johnson (WD8DAS,) the NIST Engineer-in-Charge who runs WWVH on Kauai, will give a presentation to BIARC at our October 13 meeting.

event in connection with the SSB Contest Oct. 26 at a Wailoa Park pavilion ([see Page 2](#)). President Thomas Avila, WH6GWL, said more information will be available at our next gathering, at 2 p.m. Sunday, September 8, at Kamana Senior Center, with online access provided.

The August program focused on the synchronized time precision for myriad functions of civilization ensured by atomic clocks such as those at WWV in Fort Collins, Colorado, and at the Kauai WWVH station.

All invited to join BIARC at Hilo event Oct. 26 at Wailoa State Park

BIARC will participate in the CQ World Wide DX Contest with an event on October 26 from 8:30 a.m. till pau, at the latest at 5 p.m. The location is Wailoa State Park at the wedding pavilion.

“It will be potluck, so we will need people to bring food, drinks, ice, coolers, tables, chairs, canopies, etc.” says Operating Activities Committee Chair Joseph Rosenbaum, WH6JOE.

<https://cqww.com>



CQ World Wide DX Contest

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Welcome

The CQ WW is the largest Amateur Radio competition in the world. Over 35,000 participants take to the airwaves on the last weekend of October (SSB) and November (CW) with the goal of making as many contacts with as many different DXCC entities and CQ Zones as possible.

CQ WW Contest Dates

SSB: October 26 - 27, 2024

CW: November 23 - 24, 2024

Starts: 0000 UTC Saturday
Ends: 2359 UTC Sunday

Looking for something?

[Rules](#) [Latest Results](#) [Submit Log](#)

Logs Received: [SSB](#) [CW](#)

Raw Scores: [SSB](#) [CW](#)

[Searchable score database](#)

[Latest news? Read the blog.](#)

Search Results

Search the online database for any station or operator call sign:

Callsign

Online Certificates

Online certificates are available for all past CQ WW contests. Use the search to find your call in the database. Then click on the [Cert] link to view the certificate in pdf format.

Log Checking Reports

Log checking reports are available for all entrants. A link to the report is sent by email after April 1 for SSB and May 1 for CW. If you did not receive yours, please contact us through the [Contact Form](#).

Future Contest Dates

SSB is always the last full weekend of October.

2025: October 25 - 26 📅

2026: October 24 - 25 📅

2027: October 30 - 31 📅

CW is always the last full weekend of November.

2025: November 29 - 30 📅

2026: November 28 - 29 📅

2027: November 27 - 28 📅

CQ WW RTTY

CQ WW RTTY contest, held the last full weekend of September each year, is the world's most popular digital mode contest. While it has many similarities, there are different scoring and multiplier rules. Visit cqwwrtty.com for more information.

Submit Log

Please submit your log using the [Cabrillo log upload page](#). If you only have an adif log file, use the [adif converter](#).

Follow CQWW on Twitter, Facebook



CQ WW Fan page
www.facebook.com/cqwwdx



Follow @cqww twitter.com/cqww
Talk about us using #cqww

40-meter net frequency moves from 7.088 to 7.090 (as of Sept. 5)

As posted on 40meter.net:

Change from 7.088 to 7.090 on Sept. 5

Please notify any Clubs, Nets or HF operators in the Hawaiian Islands about the upcoming change over of our Dailly Nets from 7.088 to 7.090. We don't want to leave other hams wondering where we all went! This change will occur starting with the Aloha Net on September 5th at 9:00 AM.

BIARC Education & Outreach Committee Report – August 2024

July 2024 E&OC Activity

July 1

Warning Siren Test Net N/C and individual Siren participation.

July 1

Re-committed BIARC E&OC to participation in the Hawaii Science and Technology Museum outreach program for the balance of 2024 into 2025.

Keaau Elementary - Tuesday, August 20th 4:00-6:00pm
EB deSilva Elementary - Wednesday, September 11th 5:30-7:00pm
Waiakeawaena Elementary - Friday, November 15th 5:00-7:00pm
Waiakea Elementary - Wednesday, December 11th 5:00-7:00pm
Kaumana Elementary - Wednesday, February 5th 5:00-6:30pm
Hilo Union Elementary - Friday, March 7th 9:30-11:30am

July 7

Maunakea Repeater Test Net participation.

July 16

YMCA Summer Program event, Hilo YMCA.

Planned

August 20

Keaau Elementary School Science Fair with Hawaii Science and Technology Museum.

2024 Future Considerations

Outreach to older East Hawaii schools for event participation with older students is being considered.

Technician license preparation classes have been scheduled for 8/21 - 9/25 and 9/28 - 9/28. Contact Doug Wilson



KH6CZ photos taken at Hilo YMCA Summer Program.

David Miller
Chair, BIARC E&OC
August 11, 2024

[HawaiiARES] Biweekly Winlink Practice

-Van NH7IT ASM-Pac writes:

Aloha, HI ARES members,

A new Biweekly Winlink practice started Sept. 2; please check your Winlink account for the instructions.

The Winlink gateway KH6CE is now scanning on its frequencies 145.010, 030, 050, 070, and 090. Please make use of it if needed.

Please be aware that there is also HF and VHF peer-to-peer practice available on Saturday. This is now a regular thing.

If you are not a member of this net and are interested in joining the Biweekly Winlink practice, please send me a Winlink message (NH7IT) or email to nh7it@arrl.net

To learn more about Winlink, check out:

<https://wavetalkers.com/resources/digital/winlink.php>

https://winlink.org/content/user_support_and_help



Photos by WH6EMN

The new emcomms setup at the Hilo Benioff Medical Center is good to go. The equipment is in and WH6EMN and WH6EPS just tuned up the 40 and 60 meter dipoles. Photo above shows the radio layout in the office of Ha Chi, a medical center executive whose responsibilities include safety and security.

Hilo Benioff Medical Center emcomms setup is good to go

The emcomms setup at Hilo Benioff Medical Center is pretty much done, for now.

Jim Tatar, WH6EMN, reports that – “although there’s always something to do on a radio system” – the emcomms setup at the medical center is good to go.

Later on, after the ongoing extensive renovation project at the hospital is completed, the emcomms system will need to be revised and relocated elsewhere at the medical center.

“So we have VHF/UHF and HF in Ha Chi’s office and will be there until the new addition is complete,” said EMN, “We have an FT100 for VHF/UHF and an ICOM

7300 for HF.” Chi is a medical center executive whose responsibilities include safety and security.

“We have a 40 and a 60 meter dipole in addition to the 10-80 PAL end fed. The dipoles are there for when we need to drop the end-fed for construction reasons,” said EMN.

Various medical facilities across Hawaii will be linked to the State Health Comm Net via HF and/or VHF.

Work at the hospital in Pahala may wind up this month. Work on the project at Honokaa Hospital continues.

New CW Slow Speed Contest set for September 13

CW operators and testers from around the world are invited to celebrate the fourth anniversary of the weekly **K1USN** Slow Speed Contest (SST) by participating in a new event, the K1USN SST OPEN (SSO), which will be held on Friday, September 13, from 2000 - 2359Z. Moving forward, the SSO will be held annually on the second Friday in September.

The goals for the new contest are:

- Work as many stations as possible during the four hours on multiple HF bands (160, 80, 40, 20, 15, 10 meters)
- Exchange name and state/province (Non US - VE = DX)
- Score total points x CW speed multiplier x total state/province/DX multipliers

Post log summary on www.3830scores.com but Do NOT mail logs to K1USN

Stations may be worked once per band and there is a 50-point bonus for working K1USN once per band. From its inception in September 2020, the twice-weekly SST has encouraged CW newcomers to join with experienced ops in a relaxed contest at speeds less than 20 words per minute (WPM). Contest sponsors strongly urge all participants to operate at 12 WPM or less to provide new CW ops with a comfortable “on-ramp” to CW operating and contesting. The same speed rules will apply in the Slow Speed Open with the hope that every station that wishes to jump in will be welcome at a pace comfortable for them. A CW speed multiplier has been added to the score calculation as an incentive to go slow, (via the [3830scores.com](http://www.3830scores.com) submittal form). This speed multiplier is based on your fastest sending speed used during the contest. Certificates with score and claimed maximum operating speed (using the honor system) will be available to all entrants.

For complete SSO information, including rules and FAQs, visit www.k1usn.com/SST.html

~ 2024 BIARC Roster ~

Executive Board officers and committee chairs

President

Thomas Avila, WH6GWL

Vice President

Les Hittner, K0BAD

Secretary

Joseph Rosenbaum, WH6JOE

Treasurer

Tony Kitchen, WH6DVI

At-Large directors

Mark Watanabe, WH6FSA, and
David Miller, KH6CZ

KH6EJ station custodian

William Polhemus, NH6ET

Public Service/ Communications Committee

Chair Les Hittner, K0BAD

Operating Activities Committee

Chair Joseph Rosenbaum, WH6JOE

Education and

Outreach Committee

Chair David Miller, KH6CZ

Programs Committee

Chair Les Hittner, K0BAD

Digital Systems Committee

Chair Shawn Farley, WH6GXZ

Voice Repeaters Committee

Chair William Polhemus, NH6ET

Meeting Refreshments Committee

Chair Robert Schneider, AH6J

BIARC Hamgram

Editor Leigh Critchlow, WH6LC

Club website: <https://biarc.net>

BIARC monthly meeting info

The club now gets together on the second Sunday of the month at Kamana Senior Center at 127 Kamana St. in Hilo.

The Executive Board meets at noon, with the

membership gathering following at 2 p.m. Internet access is provided.

The link will be shared on the BIARC Listserve forum prior to the meeting.



The BIARC channel on Youtube is: <https://www.youtube.com/@BigIslandAmateurRadio-Club>

HAWAII 40 METER SUB-BAND EMERGENCY PLAN Frequency Allocations During Emergencies & Training Exercises	
7.080 USB	Healthcom Nets
7.085 LSB	Hawai'i Emergency Management Agency (HIEMA)
7.090 LSB	Situational awareness during emergencies for all amateurs. All other scheduled or ad-hoc nets, including: Aloha Net, HI-Noon Net, Hawai'i Afternoon Net, Bandhopper Net, Skywarn and ARES HF Practice Net.
7.095 LSB	Oahu & Maui: Department Of Emergency Management (DEM) and Kauai RACES
7.190 LSB	Big Island Auxiliary Communications Service (ACS)

Monthly Siren Status Report for September 2024



Location	Observer	Mode	Status	Notes
NOT WORKING				
Ainaloa (HA910)	WH6HAF	Allstar	Not Working	
HOVE Shopping Center #2 (HA806)	KH6FA	Allstar	Not Working	
HOVE, #1 Leilani (HA805)	KH6FA	Allstar	Not Working	
Kehana Beach (HA916)	KH6AQ	Text	Not Working	
WORKING				
Captain Cook (HA702)	WH6WF	Text	Working	
Cooper Center Volcano (HA936)	KH7DQ	Mauna Kea	Working	
Hakalau (HA113)	KH6RDO	Allstar	Working	
Hawaiian Beaches Park #1 (HA907)	KH7LM	Mauna Kea	Working	
Honoapu (HA802)	WH6HC	Allstar	Working	
HOVE Reef Blvd #3 (HA809)	WH6FC	Allstar	Working	
HPP #2 4th & Awapuhi (HA912)	WH6HAA	Mauna Kea	Working	
HPP #3 6th & Makuu (HA913)	NH6OV	Mauna Kea	Working	
HPP #1 Paradise / Ala Kai (HA925)	KH6CZ	Mauna Kea	Working	
Kamehameha Park Kohala (HA503)	WH7WZ	Text	Working	
Kawaihae Harbor (HA407)	WH6EHJ	Text	Working	
Kolekole (HA112)	KH6RDO	Allstar	Working	
Laupahoehoe Lookout (HA201)	WH6FSE	Allstar	Working	
Laupahoehoe Point (HA202)	WH6FSI	Allstar	Working	
Leleiwi (HA101)	KI6HBZ	Mauna Kea	Working	
Naalehu (HA801)	WH6HC	Allstar	Working	
NELHA Kona (HA611)	WH6GTD	Email	Working	
Ookala (HA304)	WH6GDC	Allstar	Working	
Paauiilo (HA301)	AH6JA	Email	Working	
Pahala (HA804)	WH7BR	Allstar	Working	
Puako General Store #1 (HA405)	WH6EHJ	Text	Working	
Punaluu /.Sea Mountain (HA803)	AJOT	Allstar	Working	
Waiaka Bridge Kamuela (HA402)	WH6EHJ	Text	Working	
Waikamalo Park Ninole (HA123)	WH6FIQ	Allstar	Working	
Waimea Park Kamuela (HA401)	WH6EHJ	Text	Working	
Hakalau (HA113)	WH6ECX	Allstar	Working	
Waimea Park Kamuela (HA401)	KH7MS	Allstar	Working	
Waiakea Uka Gym (HA124)	WH6GZZ	Mauna Kea	Working	



All hams invited to join Makani 'Ino Emcomms Exercise

Please find attached an announcement and instructions for the 2024 Makani 'Ino Emergency Communications Exercise to be held on Saturday, September 14, 2024 between the hours of 09:00 - 12:00, followed at 13:00 by a hot wash session on zoom.

This exercise has been planned by Michael Miller, KH6ML, coordinator for the City and County of Honolulu, DEM RACES and is open to statewide participation.

Please monitor the groups.io reflectors for the specific counties for additional county-specific instructions.

We thank KH6ML and his Honolulu DEM RACES team for organizing this exercise.

We urge all licensed amateurs to participate in this opportunity to test your equipment and practice emergency response procedures.

*Aloha,
Joe Tabrah
AH6T
Pacific Section
Emergency Coordinator
Hawaii ARES*

Makani 'Ino (Horrible Wind) Hurricane Communications Exercise (COMEX)

Saturday, Sept. 14, 2024 Time: 9:00 AM – 12:00 PM HST (Exercise) Hotwash: 13:00

Sign-Up: Amateur Radio Operators, GMRS Radio users, OBSERVERS, and SCRIBES are all encouraged to use the [Signup Form](#)

Introduction: Makani 'Ino COMEX was designed to test Amateur Radio operators' ability to establish emergency radio communications via voice and data during a widespread disaster causing severe infrastructure failure. As the simulated hurricane impacts each island, electrical power, Internet, and cell phone service will fail due to Makani 'Ino Hurricane (Horrible Wind). This exercise also promotes fun and camaraderie among radio enthusiasts who are preparing to help their communities.

Goal: To reinforce and test operators' ability to set up stations using off-grid power (if possible), prioritize and forward simulated reports and messages, and work together effectively in a rapidly evolving disaster scenario. This drill involves using voice radios and the Winlink Global Radio Email system to send simulated messages, including Hurricane Reports, Check-Ins, Field Situation Reports, Damage Reports, Requests for Assistance, and Red Cross Shelter Reports.

COMEX Facilitators: Include the Simulated Emergency Operations Centers (EOCs) and Hub Stations. A hub station typically has multiple bands and/or modes of communication capability, antennas with good gain, and off-grid power. Relay stations may also be established to assist in moving message traffic.

Organized statewide by volunteers from Hawaii ARES (Amateur Radio Emergency Service) and HNL DEM RACES (Radio Amateur Civil Emergency Service) for the Honolulu Department of Emergency Management.

District Emergency Coordinator (DEC) and Community Emergency Coordinator (CEC) are developing plans for each county. The use of repeaters should be limited to stretch the skills of operators. **Check back for updated information:**

County Operations Folders & Planning Teams:

- o [Hawaii County](#) - Tony Kitchen, WH6DVI / Darrell Asuka, KH6RDO
- o [Maui County](#) - Bill Heyde, KH6UU / Everett Balmores, WH7EZ
- o [Honolulu City & County](#) Michael Miller, KH6ML / Matt Gleis, WH6FLO
- o [Kauai County](#) Pending

In advance, please print & review these page and save it on a desktop and/or thumb drive as a backup.

- This **Info Page COMEX with Schedule**
- ICS 214 Activity Log (CSV or PDF) - **EACH RADIO OPERATOR to FILLOUT**
- ICS 204 Assignment List.
- ICS 205 Incident Radio Communications Plan (standing plan)
- ICS 309 Communications Log. **EACH OPERATOR to FILLOUT**

Link to this Page: [BIT.LY/24COMEX](https://bit.ly/24COMEX)



Questions? Email: kh6ml808@gmail.com

**Continued
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Makani 'Ino (Horrible Wind) Hurricane Communications Exercise (COMEX)

Saturday, Sept. 14, 2024 **Time:** 9:00 AM – 12:00 PM HST (Exercise) **Hotwash:** 13:00

Schedule:

7:00 - 8:00 HUBS and EOC are activated and staffed with amateur radio operators.

8:00 - 8:30 Safety briefing, assignment, and logging and goals are reviewed.

8:30 - 8:50 HUBS establish contact with EOC.

9:00 Amateur Radio Net Control reads scripts and starts the exercise.

Remind all Stations often to say: **THIS IS A EXERCISE**

Operators: **CHECK IN**

Multi Check-In mode and bands are encouraged unless instructed by net control.

- WINLINK CHECK IN FORM Winlink over Radio Peer-to-Peer Mode ([SAMPLE](#) and video)
- VOICE CHECK in UHF/VHF/HF (SAMPLE)
- GMRS VOICE CHECK IN if HUBS are reachable (SEE [SPECIAL GMRS](#))

If an radio operator cannot send in Winlink reports, take reports via voice. Net control should move stations off the main frequency and have a station that can copy, fill out, and forward the Winlink report to HUB/EOC. HUBS forward Message to own county EOC

9:30 HUBS will start collecting: **FIELD SITUATION REPORT**

10:00 HUBS will start collecting: **HAWAII DAMAGE REPORTS**

([See list of sample Injects](#) - Modify for your area)

10:30 HUBS will start collecting: **HAWAII REQUESTS FOR ASSISTANCE (RFA)**

11:00 HUBS will start collecting: **Hawaii Daily Shelter Report**

11:55 Net controls close the net. HUBS and EOC should submit ICS 309 to coordinators and lead planners. Each operator is encouraged to print and log on to an ICS 309. These logs should be emailed to each county coordinator by the end of day.

13:00 STATEWIDE HOTWASH on [ZOOM](#) or immediate after-action review will be conducted at the end of an exercise. Participants and organizers gather to discuss what happened, identify strengths and weaknesses, and capture lessons learned while the experiences are still fresh in their minds. This debriefing helps improve future performance by addressing any issues and reinforcing successful practices. HOST AH6T

<https://us02web.zoom.us/j/81971104454?pwd=cwxEGe0da01rafbW6zL5Vui96pDPB.1>

Acknowledgments: The Hawaii State ARES® Field Service Organization would like to recognize everyone who makes this exercise possible and the volunteers who donate their valuable time and skills. Without the efforts of everyone working together, it would not be possible to maintain the skills and capabilities needed to ensure the continuity of communications during times of disaster. We recognize the significant time you invest in honing your skills and the money each of you has invested in your equipment. We thank you for being willing to offer service to your community and hope that you will learn from and enjoy this exercise. Organized statewide by the volunteers of Hawaii ARES (Amateur Radio Emergency Service) and [HNL DEM RACES \(Radio Amateur Civil Emergency Service\) for the Honolulu Department of Emergency Management.](#)

Link to this Page: [BIT.LY/24COMEX](#)



Questions? Email: kh6ml808@gmail.com

BIARC Executive Board Regular Meeting

Draft minutes

August 11, 2024
Kamana Senior Center

The meeting was called to order at 12:08 pm by Board President Thomas Avila. A quorum of 6 board members were present.

Attendance:

Board members: Thomas Avila, Tony Kitchen, William Polhemus, David Miller, Mark Watanabe and Joseph Rosenbaum.

Secretary's Report and Minutes:

David moved and Thomas seconded to approve the July 2024 Secretary's report. Motion passed.

Treasurer's Report:

See operating statement and donated funds summaries. William moved and David seconded to approve the treasurer's report, subject to audit.

Committee Reports:

Digital Systems:

No report.

Education and Outreach:

See report.

Operating Activities:

The CQWW SSB contest (<https://cqww.com/>) will be held on October 26, 2024 at the Wailoa State Park wedding pavilion. The pavilion rental costs \$30 for a user fee, there is a 10% non-refundable administrative fee and a \$50 deposit. Tony moved and William seconded to approve the funding. Motion passed.

Programs:

Today's program will be on WWVH (<https://tf.nist.gov/stations/wwvh.htm>) and GPS. Next month we'll spend some time talking about the ARES SET (Simulated Emergency Test.) For more information check out (<https://hawaii.ares.net/>) We may have a guest speaker, Ed Fong from <https://edsantennas.weebly.com/>

Public Service Communications:

No report.

Voice Repeaters:

No report.

Old Business:

Tony moved and David seconded to dissolve the ad-hoc committee to set-up a meeting platform as we have chosen and subscribed to Google Workspace Essentials. Motion passed. Discussion was held on consolidating all the Dropbox information into Google Workspace Essentials with a backup of information on Dropbox, using periodic archive snapshots. All this information will be made available to all board members.

Discussion was held on the club logo, our seal and ID cards.

Discussion was held on the Discord migration of BIARC's test bed to our own server.

New Business:

Tony moved and Mark seconded to accept the anonymous donation of equipment through Darrell Asuka(KH6RDO.) Motion passed.

Discussion was held regarding the RMS (https://www.winlink.org/tags/rms_express.) station and peripherals donated by Jim Huntley and David Miller to be allocated to the Digital Systems Committee.

Tony moved and Joe seconded to create an ad-hoc committee for the board elections. Motion passed.

Thomas moved and Tony seconded to adjourn the meeting at 1:15 pm. Motion passed.

*Respectfully submitted,
Joseph Rosenbaum
Secretary*

BIARC Operating Statement

	<u>2024 Budget</u> <u>(Proposed)</u>	<u>Actual*– As of</u> <u>08/10/24</u>
Income:		
Dues	\$1,300.00	\$1,560.00
Repeater and general Donations	\$400.00	\$736.75
Humanitarian Donations	\$100.00	\$26.25
PayPal Convenience Fees	\$26.00	\$26.25
Total Income	<u>\$1,826.00</u>	<u>\$2,349.25</u>
Disbursements:		
Club Liability Insurance	\$220.00	\$200.00
Club Equipment Insurance***	\$220.00	\$0.00
Equipment	\$400.00	\$0.00
Club Activities	\$400.00	\$174.47
P. O. Box Fee	\$280.00	\$282.00
Humanitarian Awards	\$100.00	\$0.00
VOAD Dues	\$25.00	\$25.00
Printing/Publicity	\$170.00	\$157.82
Office Supplies/Bank Fee/Misc.	\$40.00	\$10.46
Website Costs	\$48.00	\$100.04
Paypal Transaction Fees**	\$13.00	\$21.53
Total Expenses	<u>\$1,916.00</u>	<u>\$971.32</u>
Net (Income - Expenses)		\$1,377.93
Account Balances:		
	as of: 8/10/2024	
BOH checking Account		\$3,859.85
Namecheap Balance (Website)		\$1.00
Paypal Account Balance		\$1,254.57
Total		\$5,115.42
Fund Balances: (8/10/2024)		
Infrastructure fund	\$2,913.35	
Humanitarian Fund	\$440.00	
Emergency Reserves	\$1,000.00	
General Fund	\$762.07	
Total Funds	<u>\$5,115.42</u>	

* Income figures show dues and donations received for the 2024 dues year.

** Budget estimate based on 20% Transactions via PayPal, with fees averaging 4.65%

Fund Summary:

As of: 8/10/2024

<u>Year</u>	<u>BIARC Equipment Budget</u>	<u>Donations (Credit)</u>	<u>Equipment Purchases & Maintenance Costs</u>	<u>\$ Covered By Repeater 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		\$2,307.69
2023	\$950.00	\$455.75	\$2,626.92	\$586.84	\$2,176.60
2024		\$736.75	\$0.00		\$2,913.35

Notes: This fund holds amounts donated to be used for repeater 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	\$26.25	\$0.00	\$440.00