

October 2021

Newsletter

Big Island Amateur Radio Club

The Zoom schedule
(Link: [BIARC ListServe](#) and [biarc.net](#))

Saturday, Oct. 9
Noon: BIARC Board meeting
2 p.m.: Membership gathering

Grid Madness 2021: New participants, new band, and a few surprises!

It was late September, and Stan Froseth, AH6KO, was buried in a pile of 55 log sheets, with more on the way. Grid Madness! 2021 – the eighth annual event – had seen good activity, once again, and Stan, the coordinator, was busy, busy, busy.

“By late October, the dust will settle and you can read the annual Summary and Results,” he reported. “In the meantime, I’ll share a few highlights.”

– Participation down from 2020:

Number of logs received appears to be down a bit. Some of the “big guns” were silent this year. But others like KH6HI (69 claimed contacts) and KH6D (50 claimed) stepped up.

Thanks, Bert and Ron!

– New call signs heard:

A bunch of new ops for 2021. Reagan WH6OMG turned in a superb first time-effort with about 30 contacts (including a relay). Welcome!

– The new game in town: 6 meters.

A robust turnout on 50Mhz, and especially on Oahu and the Big Island. Mitch NH6JC was on six from Kauai and connected with Steve KH6WG on Oahu.

Continued on next page



“KH6D Grid Madness, ICOM style.”

Photo by KH6D



On Zoom in September, Stan Froseth, AH6KO, invited all hams to participate in the 8th annual Grid Madness. He went over the basics and fielded questions about the fun statewide simplex event, touching on some of the highlights of the first seven contests.

Next up: Grounding and bonding crash course, Part II

“From the Ground Up” was the focus of Part I of a two-part presentation on grounding and bonding at the Aug. 14 BIARC Zoom gathering.

President William Polhemus, NH6ET, will offer Part II, “Getting Down to Earth,” aka “From the Top Down,” at the 2 p.m. Oct. 9 session. Together, the programs will serve as a condensed version of a multifaceted and technical course of study in the importance of a well-grounded amateur radio setup and instructions for the proper installation of all necessary components, William explained. His initial session was recorded, and can be viewed now via a link on our website, [biarc.net](#). Also included in the October meeting will be discussion of ARRL and ARES.

**"WH6FYK
Super-Mobile
at BK29fm
(Mauna Loa)"**



Photo by WH6FYK

GRID MADNESS:

From previous page

-- Crazy relay on 1.25 meters:

Craig KH6CP (Oahu) connected with Jeremy KH7CN (Puna on the Big Island) via relay through Roy WH6FYK. Roy was on Mauna Loa.

-- Return to Mauna Loa:

Also on the mountain -- WH6GOG. Gerald and Roy join the elite group of hams that have experienced the high altitude simplex experience.

Stan sez: "Thanks to all!"

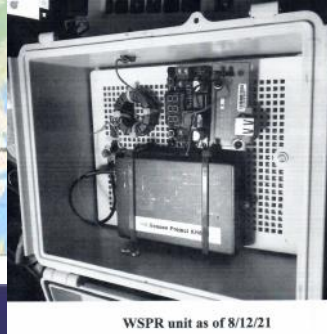
Want to be added to the Grid Madness email list? Send a note to AH6KO@arrl.net.

**"Mad Crab,"
the 2021 Grid
Madness mascot.
(Logo purchased
from gograph.com)**



Photo by AH6V

"At QTH of AH6V in Hamakua."



WSPR unit as of 8/12/21

At the September Zoom meeting, Vice President Jim Huntley, WH6FQI, offered an update on the WSPR beacon. He said he and Gary Schwiter, WH6EPS, installed it at the Mauna Loa site in August. "I'm pretty impressed what it can do with a small amount of power," Jim reported. As an example, in the previous 24 hours, stations from as far away as Africa had made contact.

"It's amazing," said Jim. He and Gary will continue to tweak and make adjustments to expand its reach on other bands.

Big Island Amateur Radio Club

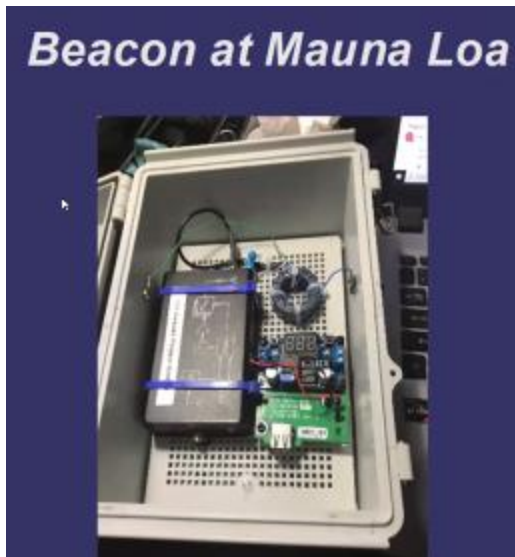
The current antenna is shortened EFHW. We were trying to keep it within the fenced in boundaries of the site. We will be replacing the antenna with a full length EFHW for 80-10. The beacon will be moved to the back fence and powered by solar to avoid having to run conduit and wires back to the building. This project has been totally funded without club funds thus far.



WH6FQI

Update on the WSPR Beacon Project September 11, 2021

Who heard it in the last 24 Hrs.



BIARC Executive Board		
Board Member and Office	Term	Term Expiration Date
William Polhemus - Chair	2 years	January 2023
James Huntley - Vice-Chair	2 years	January 2022
Leslie Hittner - Secretary	2 years	January 2023
Tony Kitchen - Treasurer	2 years	January 2022
Paul Ducasse - Station Custodian	Ex Officio	Upon termination of Custodian role
Bob Schneider - At Large	2 years	January 2022
New Member - Jim Sugg	2 years	January 2023

Elections set for November Zoom general membership meeting

Three people will be elected or re-elected to three open board positions. All positions are elected as open board positions. Roles on the board are determined by the board at their January 2022 meeting.

HI Incoming QSL Bureau chief Ned Conkin, KH7JJ, offers update



Joseph Speroni, AH0A, shares this report:

Aloha,

Edward ("Ned") Conklin (KH7JJ) runs the Hawaii Incoming QSL Bureau, He operates the system that delivers "real QSL cards" in the background without the deserved recognition. It's been some time since he gave us an update on the bureau's activities. Here's a short one just received.

"The Incoming DX QSL bureau is alive and well. We've usually been processing about 7000 cards a year, but so far only about 4,000 in 2021. There's a continued shift to LOTW, and poor propagation on the higher HF bands hasn't helped. But still many hams like to receive paper cards.

"We mail cards periodically or otherwise get them picked up for about 135 active accounts, but we're accumulating cards for at least a hundred more calls that don't yet have an account or other way of receiving bureau cards.

"If you don't have an account with the bureau and think you might have cards waiting for you, e-mail me at kh7jj@arrl.net, and I'll be happy to check the files.

Best 73 de Ned, KH6JJ"

BTW: the ARRL runs an outgoing QSL Bureau for members. It offers a less expensive way to send cards to DX location Incoming bureaus.

[http://www.arrl.org/files/file/QSL/Outgoing QSL Rules Jan 2021.pdf](http://www.arrl.org/files/file/QSL/Outgoing%20QSL%20Rules%20Jan%202021.pdf)

ARRL Pacific Section

Section Manager: Joseph Speroni, AH0A

What will bring youthful operators to our ranks? It is an exciting time for our beloved hobby

The world is changing and so is amateur radio. As a “fly on the wall” there are plenty of ways that we can monitor the conversations across the nation and the world about the future of our hobby. We can “tune-in” to what leaders are talking and writing about. We can also observe what new and long time operators are doing. A prolific number of surveys are published on-line showing everything from why people joined our ranks, to what modes are most popular. This information sheds light on the future of amateur radio, and how the Amateur Radio Service will continue to be relevant in our modern society. Anyone who follows ARRL’s QEX and similar publications will conclude that there is still a significant cohort of stations who are pushing the envelopes of physics, science, and engineering. It is an exciting time for our hobby.

A common theme in the SEC-ARES discussions group @ groups.io is the need to attract a new generation of amateur stations. Contrary to the grumblings sometimes heard from long time operators, there are significant numbers of youth striving for proficiency in STEM fields. Many of these people are young women. Are we representing our hobby in way that will to appeal to them?

Do we ever stroke our egos by displaying an overwhelming knowledge of topics, which people new to the hobby could not hope to grasp? If so, perhaps we would better serve our hobby by instead striving to meet people at their knowledge level, and become teachers. Are we prepared to encourage people new to amateur radio by showing them that they can indeed learn the necessary topics, step by step. Are we prepared to be mentors?

Entrepreneurs in the technology space have often attributed their successful career, at least in part to their early involvement in Amateur Radio. We have much to offer to attract youth into our hobby. The potential to increase knowledge and understanding through low cost, hands on projects offers a greater potential for learning than ever before. These types of projects can re-invigorate amateur radio, and contribute to the success of our hobby and our nation.

Throughout its history, amateur radio enthusiasts have made significant contributions to science, engineering, industry, and social services. Research by amateur radio operators has founded new industries, built economies, empowered nations, and saved lives in times of emergency. (See https://en.wikipedia.org/wiki/History_of_amateur_radio)

Re-inventing our image and some targeted “marketing” can bring youth to the beloved hobby that we have enjoyed for so many years. I believe that everyone would agree that we wish to pass on our rich legacy of experimentation and problem solving to future generations. This legacy has been embodied by Amateur Radio operators for over a hundred years.

What will bring youthful operators to our ranks? We can reach out to schools, provide opportunities to learn practical skills, and introduce curious minds to the rich variety of low cost projects which often will involve everything from soldering to systems integration to coding. An understanding of technologies both old and new will empower our youth to achieve great things. These are indeed exciting times.

**73,
Tony Kitchen, WH6DVI**

ARRL, RSGB Announce Joint Events to Celebrate Centenary of Ham Radio Transatlantic Success

ARRL and the Radio Society of Great Britain will jointly sponsor events to celebrate the achievement of transatlantic communications by radio amateurs 100 years ago.

In December 1921, ARRL sent Paul F. Godley, 2ZE, as its representative to listen for amateur signals from North America during the Second Transatlantic Tests. Setting up his listening station in Ardrossan, on the west coast of Scotland, Godley received the signals of more than 2 dozen US amateur radio stations, the first on December 12 (UTC) from 1BCG in Connecticut, operated by members of the Radio Club of America. The message read: "Nr 1 NY ck 12 to Paul Godley, Ardrossan, Scotland. Hearty Congratulations. (Signed) Burghard Inman Grinan Armstrong Amy Cronkhite."

These successful transatlantic tests and the ones that followed spurred technological advances and new global wireless distance records. Several amateur radio operating events this year and next will commemorate the centenary of these significant milestones that heralded the dawn of two-way international amateur radio communication.

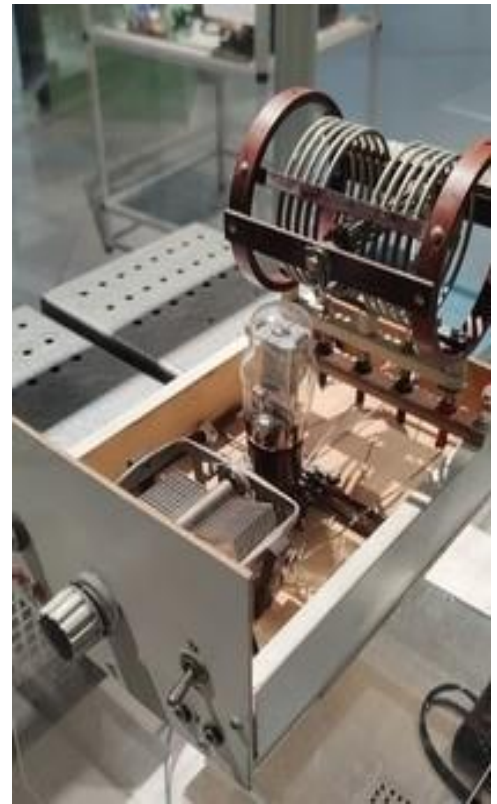
ARRL and RSGB will activate special event stations for 6 hours (0200 - 0800 UTC) on December 12 for the 160-meter Transatlantic Centenary QSO Party. RSGB will activate GB2ZE from Scotland, with a team of stations from the GMDX Group sharing operating duties. ARRL will activate W1AW. The stations will operate only on CW. If transatlantic propagation holds up, the stations may continue to operate beyond 0800 UTC.



Paul Godley, 2ZE

are pending.

ARRL and RSGB have assembled a list of stations and groups that are also organizing events and activities to celebrate 100 years of amateur radio transatlantic communication. For more information, visit arrl.org/transatlantic and rsgb.org/transatlantic-tests. The sites also include links to many previously published articles and presentations covering the historic tests.



Finland Museum of Technology
(Homebrew-TX)

"A Spark Started it -- 100 years of Finnish radio amateur construction"

In cooperation with the Finnish Amateur Radio League (SRAL), the Finland Museum of Technology in Helsinki hosted an exhibition of equipment built by radio amateurs.

The exhibit, "A Spark Started it -- 100 years of Finnish radio amateur construction," ran through August.

SRAL co-designed the exhibit as part of its 100th anniversary celebration.

"At the Finnish Museum of Technology, we are particularly excited about the exhibition, because experimenting with new forms of cooperation is rewarding," the museum said.

"As a national special museum in the field of technology, we are able to provide a good setting for the exhibition and a wide audience that might not otherwise find its way to the topic." SRAL centenary special event station OH100SRAL will be on the air through year's end.

BIARC Executive Board Meeting

September 11, 2021

Begin Meeting

- **Call to Order**

The meeting was called to order at 12:02 pm by Board President William Polhemus

- **Quorum Call**

Present: William Polhemus, Tony Kitchen, Leslie Hittner, Robert Schneider, James Sugg, Jim Huntley

Absent: Paul Ducasse

Guests: Jimmy (WH6GEM), Gary (WH6EPS)

- **Secretary's Report and Minutes (08/14/21)**

William **moved** and Jim Sugg **seconded** that the August BIARC Board Minutes be approved as published and amended. Motion **passed**.

- **Treasurer's Report**

Leslie **moved** and William **seconded** that the Treasurer's Reports be approved subject to audit. The motion **passed**.

Committee Reports

- **Digital Systems** – No written report and **Voice Repeaters** – No written report

The committees met jointly during the month and the committee chairs and members met briefly during the Board meeting. There were no action items.

:06 Paul Ducasse joined the meeting.

- **Education and Outreach** - Written report

There were no action items, but the committee will move forward and publish the link to the new website.

- **Operating Activities** – No written report

There were no action items

- **Program** – No written report

There were no action items. Elections will have to be discussed at the next Board meeting. The program committee, too, seemed to have a committee meeting during the Board meeting.

- **Public Service Communications** – Written report

There were no action items. Tony Kitchen may be appointed as Assistant SCM for East Hawaii.

- **Voice Repeaters** – No written report

There were no action items. Work on repeater infrastructure changes continues. There was a brief discussion about who can visit repeater sights.

C Old Business

D New Business

- **Plans for Jim Tatar's donated repeater**

After some discussion, this issue was referred to the Voice Repeaters Committee with directions to focus the use of that repeater to providing tactical communications coverage to CERT teams by a **motion** made by William and **seconded** by Leslie. The motion **passed**.

E Other Business

- **Fern Forest Proposal introduced by Jimmy Love**

This issue was referred to the Education and Outreach Committee with direction to produce a programmed presentation plan that can be implemented as soon as COVID protocols allow the club to take up Jimmy's Fern Forest Preparedness Fair proposal by a **motion** made by William and **seconded** by Jim Huntley. This motion **passed** with no objection.

F Member Input

James Huntley asked for a presenter at a future program that describes the ARRL/ARES organizational hierarchy.

William Polhemus discussed about the possibility of using his university classroom for future in-person meetings.

G Adjourn

There being no further business, William adjourned the meeting at 13:03 pm.

Respectfully Submitted,

Leslie D. Hittner

Leslie D. Hittner, Secretary

Attachments:

2021-09-08 BIARC Operating Statement

2021-09-08 BIARC Repeater Fund Summary

2021-09-08 Treasurer Report Addendum

2021-09-11 Education and Outreach Committee Report

2021-09-09 PSCC Committee Report

BIARC 2021 Budget & Operating Statement

	<u>2021 Budget</u>	<u>Actual- 1/1/2021 To 9/08/2021</u>
Income:		
Dues	\$1,500.00	\$1,445.00
Repeater Fund Donations	\$500.00	\$1,595.00
On-line Payment Fees*		\$12.89
Total Income	\$2,000.00	\$3,052.89
Expenses:		
Club Liability Insurance	\$325.00	\$323.20
Club Equipment Insurance	\$200.00	\$186.85
Donations (PCC)	\$25.00	\$0.00
Equipment	\$600.00	\$168.39
Field Day	\$370.00	\$96.25
Printing (Membership Booklet)	\$100.00	\$0.00
Annual Build Project	\$50.00	\$0.00
P. O. Box Fee	\$190.00	\$113.00
VOAD Dues	\$50.00	\$25.00
Office Supplies/Bank Fee/Misc.	\$40.00	\$3.50
Website Costs	\$50.00	\$45.04
Total Expenses	\$2,000.00	\$961.23
Excess (Deficit)		\$2,091.66
Bank of Hawaii Balance as of: 9/08/2021 \$4,367.15		
Deposit Pending		\$40.00
Namecheap Balance		\$1.00
Paypal Account Balance		\$1,174.40
Fund Balances: (8/10/2021)		
Repeater Fund	\$2,526.97	
Emergency Reserves	\$1,000.00	
General Fund	\$2,055.58	
Total Funds	\$5,582.55	

* 10% Convenience fee for on-line dues payments minus processing fees.

Education and Outreach Committee Report

September 11, 2021

Tribune-Herald

Still expecting the article to be published. Will seek input from the reporter, if not published by month's end.

Watch the paper...

New BIARC Website

Tony Kitchen reports that there are only a couple of things that he feels should be done before going live on the new BIARC website.

It has been interesting living in two time zones five hours apart. I was up until, 12:30 last night for the C4FM Net. I will reach out to committee members this next week to schedule a committee meeting to discuss the new website.

The BIARC Treasurer's Report

lhittner@hbcl.com

From: Tony Kitchen <tonykitchen808@gmail.com>
Sent: Thursday, September 9, 2021 03:56
To: Bob Schneider; Jim Huntley; Jim Sugg; Leslie Hittner; Paul Ducasse; William Polhemus
Subject: Treasurers Report as of 9/8/2021
Attachments: 2021 RFS 09-08.pdf; 2021-09-08 BIARC Operating Statement.pdf

Treasurer Report: (As of 9/8/2021)

- We have received 2021 dues payments from a total of 77 members. Dues and donations collected for 2021 total \$3,052.89 to date.
- No disbursements were made since the last report.

Cash Balances:

Bank of Hawaii Balance		\$4,367.15
Deposit Pending		40.00
Namecheap Balance	(Website Host)	\$1.00
PayPal Account Balance		\$1,174.40

Fund Balances:

Repeater fund	\$2,526.97
Emergency Reserves	\$1,000.00
General Fund	\$2,055.58
Total Funds	\$5,582.55

Attachments:

Repeater Fund Summary as of 9/8/21. (Adobe PDF)
Operating statement as of 9/8/21. (Adobe PDF)

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Tony Kitchen
WH6DVI

BIARC Public Service Communications Committee Update September 9, 2021

PSCC 2021 Goals:

- **Objective 1:** Bring together stakeholders in the Amateur Radio community and encourage other clubs and EMCOMM groups to develop common principles, goals, and tactics consistent with NIMS, ICS, and the goals of served agencies.
- **Objective 2:** Collaborate and cooperate with other clubs and EMCOMM groups to develop operational capabilities, resource sharing agreements, training opportunities/exercises, shadowing plans, and drills.
- **Objective 3:** Represent the Amateur Radio Community to County and State Agencies, NGOs, and the general public in a positive light.
- **Objective 4:** Pursue activities and agreements that lead to regular collaboration in training exercises and resource sharing agreements with County and State government and served agencies.

Information and Updates:

- **ARES Update:**
 - At the national level, especially in the main@sec-ares.groups.io discussion group, the topic of "ARES 2.0" is addressing the changes ARES must make to be relevant in the US today. (See <https://sec-ares.groups.io/g/main/topics>)
 - Hawaii ARES has become increasingly active in coordinating connections between served agencies and Amateur Radio Volunteers. This has in large part been through collaboration with Hawaii VOAD.
 - Participation in ARES training, exercises, and drills have increased across the state.
 - Coordination and build-out of infrastructure, especially Winlink capable stations, and AREDNMesh has increased. This includes HF and VHF stations that support VARA capabilities. More VARA FM stations on VHF have deployed and are testing digipeating capabilities. Test hardware has

been developed and is being tested on Oahu that allows Winlink stations to monitor multiple frequencies. Testing is expected to begin soon on the Big Island.

- DECs and CEC are encouraged to develop, document, and share ICS-205 plans locally and statewide. ICS-205s will be published on the Hawaii ARES website.
- ARES is proposing revisions to the local band plan. The intent of the proposal sent out by KH6FHI is to coordinate voice and data frequencies among all stakeholders. Hawaii ARES is proposing 5 channels for the 40-meter band where stations are allowed to operate on both phone and data on the same frequency. (7.075, 7.080, 7.085, 7.090, 7.095 Mhz.)
- The Net Participation spreadsheet is now linked on the HawaiiAres.net website. (Under Resources, Hawaii Station Activity)
- Suggestions received for improvements to Hawaii ARES efforts:
 - Strive to increase exercise participation between various disaster response groups.
 - Document / publish Hawaii ARES plans for major annual drills on the ARES website one month or more before the scheduled exercise date.
- **Questions and discussion regarding BIARC's relationship with Hawaii ARES:**
 - Shall the BIARC PSCC focus on referring our operators, NGOs, and agencies we serve to our local ARES leadership? (ASECs, DECs, and ECs)
 - Is it a primary role of the PSCC to assist ARES in building relationships and plans with the County of Hawaii, and other EMCOMM groups?
 - Benefits of our relationship with Hawaii ARES:
 - The ARRL ARES Field Organizational Structure (See <http://www.arrl.org/field-organization>) provides a well-developed

means of organizing, training, documenting, and exercising station equipment and operator capabilities.

- The ARES Field Organizational Structure allows for sufficient autonomy at the state and local levels, provided that the ASECs, DECs, and CECs remain active and choose to make use of their autonomy. Our SEC believes that the local leaders are in the best position to make recommendations and implement plans for their districts.
- Working directly through ARES brings a larger, more inclusive set of operators together. (Not all EMCOMM volunteers are BIARC members.)
- Training opportunities developed at the national and state levels provide local stations with opportunities to train and develop capabilities that we may not have otherwise have had.
- Resources and expertise from across the state are increasingly being shared with Hawaii County operators.
- Our ARES SEC has expressed his desire to develop a closer working relationship with County agencies and NGOs involved in public safety and disaster response. His intent is to work to find and develop additional Community Emergency Coordinators and guide and encourage the leadership to actively develop the volunteer base and their operating skills, and explore options for joint training opportunities.

○ Challenges:

- ARES coordination at the national and state levels requires a significant amount of volunteer time. [ASECs, DECs, and CECs]
- We encourage Hawaii ARES, to make more complete use of the resources and structures developed by ARRL/ARES at the national level, including the use of a version of the ARES Emergency Communicator Individual Task Book, modified for Hawaii, with an added focus on NIMS and ICS training as well as a requirement for

the EC-001 and EC-016 or the Hawaii equivalent.

- Not all ARES members will, nor are they required to step up to the challenge of completing the additional training.
 - For those stations that do, we recommend that Hawaii ARES provide a pathway for credentialing. (i.e. badges with their Name, call sign, a photo, Hawaii ARES Position, or level of training.)
 - As our relationship with our governmental partners develops, these credentials will become more meaningful to officials and first responders.
- Guidance at the national level is forthcoming but is not fully fleshed out and embraced by the ARRL. However, we suggest that successful relationships and engagement with County Government (Public Safety Agencies) will happen when:
- We ask County Emergency Managers (EMs) what they need and encourage operators to develop the skills that EMs want.
 - Some volunteers may need to train on systems that do not fall under FCC Part 97. (e.g. microwave and satellite communication systems, P25 phase II, WebEOC, Shares, etc.)
 - Encourage the entire community of AR volunteers interested in EMCOMM, and governmental partners to fully embrace NIMS, ICS, and AUXCOMM.
- **Auxiliary Communications: (AUXCOMM)**
 - AUXCOMM is a position in the ICS organizational structure, which is typically part of the Logistics Unit.
 - AUXCOMM also provides a model for training, certifying, staffing, and deploying a Communication Unit. (ComU)

- It is initiated and governed by the Agency Having Jurisdiction. (AHJ) This would be the County (CDA or EMA) or State Emergency Management Agency.
 - After stations receive AUXCOMM training, volunteers begin to work through their training plan detailed in their Individual Position Task Book. (PTB)
 - The EM from the AHJ or their designee must certify that each trainee has completed and/or **demonstrated** proficiency in each item on the PTB.
 - After completing their PTB, stations become certified as Communication Technicians, (ComT) Communication Unit Leaders, (ComL) Radio Operator, (RADO), or other positions that may be needed as part of the Communications Unit. (ComU) Volunteers are listed as either deployable or non-deployable.
 - A ComU is created as the number of volunteers filling the positions required by that type of unit becomes available.
 - AUXCOMM is NIMS and ICS compliant. It is the gold standard for Emergency Communicators in the Amateur Radio Service. It is being implemented around the nation.
- ⌋ AUXCOMM is supported as a part of the National Communications Emergency Plan (NECP) 2014.
- ⌋ For more information, see the following videos from the RATPAC series of presentations: ***What do emergency managers expect from Amateur Radio volunteers?***
- North Carolina Emergency Management Agency.
See <https://vimeo.com/593459102>
 - South Carolina Emergency Management Agency.
See <https://vimeo.com/590153252>
- ⌋ **Summary:** (What do EMs expect from AR Volunteers?)
- Volunteers must support local Emergency Management Agencies.

- Get people who are in trouble the help they need as fast as we can.
- Teamwork, Respect, Creativity, Flexibility, Honesty, Tenacity

- The standard version of the position task book for AUXC (Auxiliary Communicator) from CISA.gov is linked below:

<https://www.cisa.gov/sites/default/files/publications/CISA%20AUXCOMM%20PTB%20-%2012162020%20-%20508.pdf>

Note: Leaders in other states and counties who have established successful AUXCOMM programs have said that the AR community had to encourage the EMs in their jurisdictions to get the AUXCOMM program started. EMs in the States implementing it have said that they are now better prepared to respond to and recover from disasters.

- **HC CDA Siren Net:** (Initiative led by ARES DEC, KH6RDO with the support and assistance from KH7LM, local Allstar Sysops, and many BIARC stations.)
 - The Siren net on the local Allstar repeater network completed our first year of service, with the net that took place on September 1st, 2021. 24 stations participated.
 - We again experienced technical difficulty in the linking of the WH6DVI repeater to the NH7GX repeater, with the repeaters remaining unlinked for the first portion of the net. The problem was and incoming port mapping on the internet-facing router at the WH6DVI QTH. After being corrected, successful tests of repeater linking were performed on 9/3. The entire Hawaii Islands AllStar repeater system is now able to be linked to the NH7GX Hilo station remotely and by automated scripts.
 - KH7MS continues to run the DMR portion of the siren net on talk group 31153. 7 people participated.
- **HI-EMA. State Emergency Response Team (SERT) Update:**
 - The Hawaii SERT program consists of governmental employees and commercial partners. There are no volunteers operators from Hawaii County involved. SERT addresses multiple State Emergency Support Functions, (SESF), and may respond at the request of Hawaii County.

- HI-EMA has multiple modes of emergency communications between Hawaii County and State government, with significant redundancy in place. HI-EMA maintains the State Warning Point (HAWAS) and participates in the National Warning System. (NAWAS)
- HI-EMA is looking into the AUXCOMM program. No timeline for program implementation was given.
- **BIARC Microwave Systems and Linking Infrastructure:**
 - As BIARC is still in the early phases of planning and development of Part 15, AREDNMesh, and other high bandwidth IP-based systems it is not yet appropriate to coordinate plans for linking or interoperability between HEARDn, ARES, and the H/M AllStar groups.
 - **PSCC Recommends:**
 - The digital systems and voice repeater committee continue to work together to develop and test BIARC designed systems and capabilities.
 - When the digital systems committee is ready, the PSCC will update other groups with details on our plans and capabilities, and begin a dialog with these other groups about the possible ways we might work together to share resources and achieve interoperability.
- PSCC Meeting was held on 9/6/2021 from 19:00 to 20:00 HST.
- **Next Meeting:** October 4, 2021, at 19:00 HST.