



Ham Radio Hawaii Newsletter

#4, Issue 1004

KH6OWL

November 2020

Welcome to the only newsletter for Amateur radio across all the Hawaiian Islands. Please send in any events or topics and be a contributor for your islands to KH6OWL@arrl.net.

Events:

Grid Madness: [Steve, KH6WG went Aeronautical](#)

Mobile with NH7J

KH6WG Aeronautical Mobile from Kalaeloa east Windward around Kahuku to Dillingham. Gassed up then around Kaena Pt, along the leeward coast back to Kalaeloa. Thank you very much for the concept and the ride Gus NH7J. What an experience. From KH6WG

Nevada QSO Party: This year it will start at 2000 hours Nevada time (PDST) on Friday, October 9 (0300z 10/10/2020) and run until 1400 on Sunday, October 11 (2100z 2010/11/2019) <http://nvqso.com/>

Do you want to know how many hams check into the different nets around the islands. [Click Here](#) or go to the 40meter.net website and click on Activity Report.

Upcoming Amateur Radio Classes:

Oahu: <http://www.earchi.org/education/>

Are you looking to take the FCC Amateur Radio exam? You can register at this website. <http://hameducation.org/register/>

Quote: Real men don't use instructions, son; besides, this is just the manufacturer's opinion on how to put this together. **Tim Allen**

Beginners Corner

Website for new hams. Click [Here](#)

Ham Radio School: [The Basics](#)

Coax: PL-259 is the most common RF connector you'll encounter in amateur Radio..... From SEP/OCT 2020 edition of ARRL "On the Air" digital Magazine.



- | | |
|--------------|--|
| 1 Shell | Screws on (or, in the case of the BNC, twists on) to attach to the female connector. |
| 2 Shield | Attaches to the outer shield of the coaxial cable. |
| 3 Insulator | Separates the shield from the center pin. |
| 4 Center Pin | Attaches to the center wire of the coaxial cable. |

Another good site for coax cable can be found [here](#).

Around the Islands

Oahu: The Emergency Amateur Radio Club website can be found by clicking [here](#). The EARC wishes to remind members that nominations for all club positions are open. We would like to fill Garrett's seat, WH6GL who has moved to Texas. Please submit all nominations by the Friday preceding the October meeting. Email Steve, [KH6WG](#), the nominations or snail mail to the club PO Box. The vote will be an online form. Either the one embedded in Zoom or Google Forms

Weekly Simplex Net, Leeward O`ahu ARES District
I am excited to announce, the Leeward O`ahu ARES District, which encompasses the Wai`anae Coast from Kahe to Ka`ena, will host a weekly voice simplex net on Mondays at 1900 hours, frequency 146.445 MHz. We will conduct our first net on Monday, October 5th. This net is intended to test signal coverage, equipment, and practice of emergency communications (EmComm) guidance. This net will **NOT** include the use of repeaters and will be held exclusively on 146.445 MHz. All are encouraged to participate. Participation is NOT limited to radio operators in Leeward O`ahu.
C. Pono Higa,
Leeward O`ahu District Emergency Coordinator (DEC),
Hawai`i Amateur Radio Emergency Service (ARES)

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Maui: [Repeaters on Maui](#)

The Maui Amateur Radio Club website can be found by clicking [here](#).

The next meeting will convene on the air via the linked repeater system as we have done in the recent past. We will then move to ZOOM if we have one or more of the guest speakers that I have asked.

WH6AV announces: UHF 441.000 WH6AV
VaraFM/Packet Gateway is up and running.
Gateway is located here in at my QTH. Please test when you have time.

Here is a list of gateways on Maui as of the Middle of September 2020:

145.090 WH6AV VHF Packet/VaraFM, Wailuku
441.000 WH6AV UHF Packet/VaraFM, Wailuku
441.000 WH6CYD UHF Packet/VaraFM, Pukalani
73 & Aloha WH6AV Gescio

Big Island: [Repeaters on the Big Island](#)

The Big Island Amateur Radio Club website can be found by clicking [here](#).

BIARC is restarting QSL card service, to be facilitated by club members working together to transport cards from the Hawaii QSL Bureau in Honolulu and distribute them to BIARC folks back on the Big Island. For more info, contact Darrell atdasuka001@gmail.com

Kauai [Repeaters on Kauai](#) The Kauai Amateur Radio club website can be found by clicking [here](#).

Lania: [Repeaters on Lanai](#)

Molokai: [Repeaters on Molokai](#)

YouTube Video:

Build an HF long [wire balloon antenna](#)

Vertical antenna for the [80m band using a Helium \(He\) balloon](#)

Radio Amateurs of Canada has announced that [videos from its Annual Conference and General Meeting earlier this month are now available](#). All presentations may be viewed on the new [RAC YouTube Channel](#). ARRL President Rick Roderick, K5UR, addressed the meeting. Presentation topics include "Getting Started with Amateur Radio Satellites," "Amateur Radio and

Youth," and "Contesting: Remote Operating." -- *Thanks to Radio Amateurs of Canada*

Thanks to Craig, KH6CP, for this story about **the military renaissance in HF Communications**.

In an online presentation to the Association of Old Crows on Aug. 6, Paul Denisowski, KO4LZ, described how communications satellites are vulnerable to antisatellite systems as well as ground-, air- and space-based "kill vehicles..."

"China, Russia and the U.S. have all carried out ASAT tests and many other countries are developing ASAT capabilities," Denisowski said, using an acronym for anti-satellite. To boost resilience, some commands are turning to high-frequency communications..."

"...During the presentations "Lost Art of HF" and the "Rebirth of Shortwave in a Digital World," Denisowski explained that HF is making a comeback in local and global communications. This renaissance comes as the result of improvements in a range of fields, including antenna design, digital modulation schemes and improved understanding of propagation..."

[Click here for the full story](#).

Craig/KH6CP

Follow up story: [High Frequency Communications Features Highs and Lows](#)

Listening to Morse Code:

Thanks to Warren, KH6WM, for the following tips on listening to Morse code from [W1AW](#). With conditions poor, I have been copying W1AW via kiwiSDR.com, "listening" live on the computer to an SDR station near Newington such as an SDR station in Vermont ([W1EQX](#)). Works great. [W1NT station](#) in New Hampshire.

WEB SDR: Software Defined Radio. A WebSDR is a Software-Defined Radio receiver connected to the internet, allowing many listeners to listen and tune it simultaneously. SDR technology makes it possible that all listeners tune independently, and thus listen to *different* signals; this is in contrast to the many classical receivers that are already available via the internet. You can literally tune around the radio

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spectrum using your own computer (connected to the internet) and a web browser.

One of my favorites is the Map view of KiwiSDR. Click on the KiwiSDR Map button on top left of the page.

<http://rx.linkfanel.net>

Space Weather

<https://www.spaceweather.com/>

Solar Ham <https://www.solarham.net>

For customizable propagation charts, visit the [VOACAP Online for Ham Radio](#) website.

DX Most wanted list: (Hawaii is #268)

<https://secure.clublog.org/mostwanted.php>

DX Most Wanted List

1. P5 DPRK (NORTH KOREA)
2. 3Y/B BOUVET ISLAND
3. FT5/W CROZET ISLAND
4. BS7H SCARBOROUGH REEF
5. CE0X SAN FELIX ISLANDS
6. BV9P PRATAS ISLAND
7. KH7K KURE ISLAND
8. KH3 JOHNSTON ISLAND
9. 3Y/P PETER 1 ISLAND
10. FT5/X KERGUELEN ISLAND
11. FT/G GLORIOSO ISLAND
12. VK0M MACQUARIE ISLAND
13. YV0 AVES ISLAND
14. KH4 MIDWAY ISLAND
15. ZS8 PRINCE EDWARD & MARION ISLANDS

DX News: <https://dxnews.com/>

The standardization of the phonetic alphabet allows every ham operator to communicate and understand each other's call sign."

[Hams Help Find Kids by Monitoring FRS Radios](#)

Send emails from your Radio without the Internet via Winlink:

I have been working on getting my radios, antennas and software matched up to work Winlink VARA FM and VARA HF. It has been a lot of fun to send emails via

just the radio and see where it goes. The Annual SET Exercise using WINLINK to send messages as practice for real world emergencies. The concept is to send reports or email messages to family, friends, shelters, operations centers, etc. Your family or friends don't have to be a license operator.

I've been helped by several hams and there are a lot of videos on YouTube as well. I still have an issue with my ALC going high on VARA FM but I can adjust it as it is sending. I have been successful in connecting on 2-meter VARA and have sent attachments. I have been successful on VARA HF sending to other stations around the islands. With propagation I have not been able to reach the mainland directly as of yet. Once I paid to register the [Winlink Express](#) (Formally called RMS Express) software and the VARA soundcard it worked fine. It should work without registering it but it didn't for me.

Even if you don't have the systems now to support working VARA HF or VARA FM, I would encourage you to download it and you can still use the TELNET mode. This is basically using the internet at your QTH but it uses the same software. How to add contacts and attached forms or other attachments is the same. It is a good way to train yourself on using the system. It's free!

You can see my YouTube channel to watch a video of VARA HF I made. Click [Here](#)

Winlink [Software](#):

Some of my equipment:

VARA FM: FT-8800R radio, J Pole antenna, Windows 10 Laptop, [RA-25 card](#), homemade cable connecting the radio to the RA-25 (you can get it [on line](#))

VARA HF: FT 450D, [SignalLink USB](#), EFHW 80-40 antenna, & Windows 10 Laptop.

You can also send a text to a cellphone using Winlink. See the article I wrote on how I did it by clicking [here](#).

Need a portable antenna. Try this [Wire Antenna Winder – A 3:1 Geared Carpenter's Chalk Reel is Perfect](#). As a bonus look at the antenna he is using in the photo. Looks similar to the EARC Antenna?

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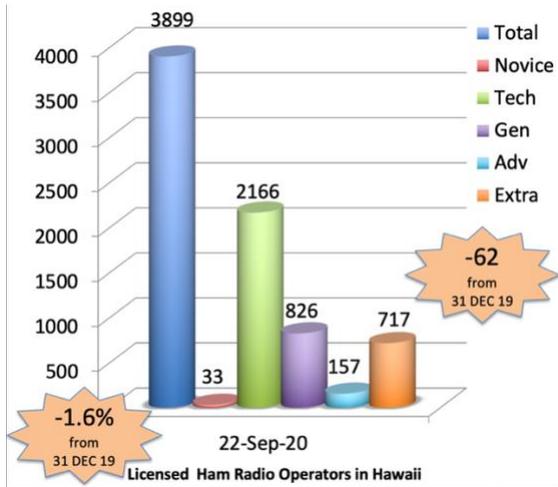
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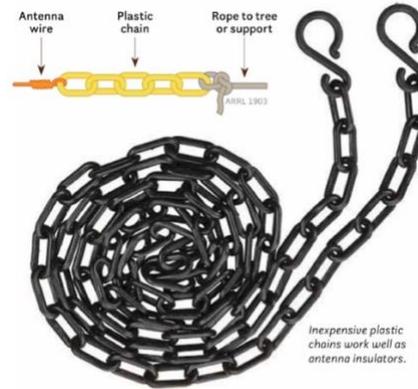
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Amateur Radio Operators in Hawaii



From the "On the Air" ARRL Magazine SEP/OCT



HINT

Cheap Wire Antenna Insulators

You can purchase all sorts of insulators for your wire antennas online, but I have used plastic chain links, which are every bit as strong, but much less expensive (see below). Hardware stores sell strong plastic chain at around \$1.50 per foot. Just buy one foot, cut it in half, and you have two excellent end insulators!

Fred Matos, W3ICM

HAMSPEAK

Filter

A network of resistors, inductors, and/or capacitors that offers little resistance to certain frequencies while blocking or attenuating other frequencies.

Heathkit job interview:



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<http://www.hamradiohawaii.com>

<https://www.facebook.com/groups/HamRadioHawaii/>

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<https://www.instagram.com/hamradiohawaii/>

<https://www.youtube.com/channel/UC0ZN8N7aGnJS9yuVOCrPc9Q>

<https://www.qrz.com/db/KH6OWL>

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