



# The Transponder



The monthly newsletter of the [Hughes Amateur Radio Club, W6HA](#)  
- An ARRL affiliated club -

October 15, 2021 Repeater 445.620 – PL 127.3 Website: <http://W6HA.com> Vol. XLVIII, No. 10

**\*\*\* CLUB MEETING O-T-A (MOTA)\*\*\***

**Where:** The club’s Repeater, and Zoom (See E-mail or Web Site for ID & PW)  
**Location:** Repeater location – “High Above LAX”

**Meeting Notice:** **Date:** Tuesday, October 19, 2021  
**Time:** Pre-Meeting: 11:30 Gather, Exchange Greetings  
Meeting Call to Order: 12 to 1 PM (Zoom Audio on Repeater)  
On-Air Roll Call (Sign-In), 11:30 (informal discussion / Greetings)

**Featured Presentation:**

Guest Speaker presentation:  
**QRP radio called mcHF**

**Up Coming Events:**

**Saturday, Dec 4 – Ray Miller 50/50 Ultimate Trail Run – Tentative**  
**Dec. 11-12 - The ARRL 10 Meter Contest** (Starts Friday @ 4:00 PM PST) **Calling all Techs!!!**

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**Lunch:** You are on your own, but my recommendation: Order some pizza, delivered, from the club’s supplier – **Tower Pizza on Lincoln Blvd – 310-410-0986**, say Hughes ARC or me, (Dale) sent you.

**Nets on the Club’s Repeater:** (See Last page for details)  
**Wednesday Evenings at 7:30 PM – Hughes ARC members net**, (then Simplex @ 146.550)  
**Thursdays Noon (12:05 PM) Raytheon & other Emergency Communication Teams (ECT)**

Transponder Deadline for Submittal of Articles: Wednesday, before next meeting

*This program is not sponsored by the El Segundo Public Library.*

**Club News:**

Tuesday is our Club Meeting, email has been sent with details. The Guest Speaker will present a relatively new, and growing in popularity, QRP radio called mcHF that is the result of an open source firmware radio that began as a kit. I had the chance to put my hands on the radio this weekend and found it quite intriguing and a sweeter entry into QRP than some more costly gear. Whether you are a QRP fan or just like new approaches in radios this is going to be a fun time.  
73 All, Howard, KE6MAK

**Jamboree-on-the-Air (JOTA)** is an annual Scouting event that uses amateur radio to link Scouts across town, across the country, or even around the world! Held on the third full weekend of October each year, this worldwide jamboree requires no travel, other than to a nearby radio amateur radio station. Many times the “hams” will set up at a special event station. The “exchanges” or QSOs (aka conversations) include such information as name, location (called QTH in ham speak), Scout rank, age, and hobbies. A participant patch is available, as is a certificate/log sheet that can also be used to fulfill a Radio merit badge requirement. The World Scout Bureau reported, JOTA had nearly 700,000 Scout participants from more than 13,500 amateur radio stations!

**Howard comments on JOTA & SOTA**

How many of you participated in the Scouts JOTA Jamboree On The Air?? Our club worked with King Harbor Yacht Club for JOTA this year. They provided the space, we provided the tower and antennas. I dropped by to 'add to the ambiance' & had a great time! When things got slow, I took a walk with my HT and along with some other club members working from home we had kids making QSO's and talking.

Another fun thing was doing some SOTA chasing on 2 meters and again bumping into fellow club members as we respond to activators on hill tops. You will also find some of our members are SOTA Activators on both HF and 2 meters. If around in the morning to about noon or so, 146.55 and 146.58 get activity as does 146.52. If you want to see who is active, check this link:

<https://sotawatch.sota.org.uk/en/>

73 All, Howard, KE6MAK

**Hughes Club - Net Report – October**

Hello Fellow Hams!

Thanks ALL for keeping our weekly net going strong! You challenge me, in a good way - to come up with Trivia Questions that are more hardball than softball.....and I like that! Rest easy I do not plan on any that require use of calculator or computer.....or slide rule. Please remember, participants may submit trivia questions: send an email to W6HA.com and put Trivia Question in the subject & I will receive it.

Results of our last net are shown below. Two operator's names are in **Bold**: There was confusion (Net Control) with relay's provided and the roster shows the last updates I received during and post net. If anybody - in particular the bolded operators - spot any error please contact me (reply via e-mail) so I may humbly correct the records.

Our next net will be Wednesday October 20, 2021 at 7:30pm on the Hughes ARC repeater (See mast head for details). Following this net on the repeater we conduct a 2 Meter simplex net on 146.550 MHz.....BUT WAIT - THERE'S MORE!!! After concluding our 2M Simplex net we reconvene on the Hughes ARC repeater in Digital Mode DN/C4FM for a "Nightcap Net".

73 All, Howard, KE6MAK

HARC WEEKLY NET10/13/21				
Rptr	Splx	Dig	Call	Name
X	X	X	KF6FTC	TOM
X	X	X	N6IET	RICK
X	X	X	K6LDQ	JON
<b>X</b>			<b>KM6HVK</b>	<b>BILL</b>
<b>X</b>			<b>KM6HVH</b>	<b>Suzanne</b>
X	X	X	N6MHD	MIKE
X			KV6R	TIM
X	X		KM6PFI	JON
X	X	X	K6PNJ	PHIL
X	X	X	AB6UI	BRIAN
X			WA6SET	TOM
X			KN6CHP	NUNE
X	X	X	KE6MAK	Howard
13 REPEATER CHECK INS				
8 SIMPLEX 2M CHECK INS				
7 DIGITAL CHECK INS VIA REPEATER				

Contests / Special Events : Oct./Nov**CQ Worldwide SSB DX Contest**

**Oct 30 – 31**, 1.8 to 28 mHz. Held each year on the last full weekend of October, the contest draws over 15,000 participants and over 3,600 log submittals from around the world. Exchange: RS, CQ Zone (+state/prov. for US/VE) The CQ World Wide DX Contest (CQWW) offers 48 hours of non-stop, on-air operating fun with activity taking place from virtually every part of the world! Whether you are competing for awards, looking for new band-countries, or simply filling up your logbook, the CQWW offers something for everyone. Check out the Classic, Rookie, and our new Youth and Explorer Overlay Categories for even more chances to enjoy ham radio's premier operating event! [Rules](#)

**VHF-UHF FT8 Activity Test** – 432 Band

Oct. 10<sup>th</sup> 1700 – 2000 UTC - 4 Char Grid Sq.

**Purpose:** VHF FT8 Activity is an "OPEN" contest, for promoting FT8 activity on the 2m and 70 cm bands. [Rules](#)

**The ARRL 10 Meter Contest** - 2<sup>nd</sup> weekend in December,

The solar cycle is back on an up trend, so perhaps it's a good time to try the 10 meter contest as a club again. Since there are tech privileges on 10 all members can participate. Most the action is in the tech portion of 10M - 28.3 to 28.5 mHz.

The first thing you need to think about is an antenna. [Check this link](#) for a very simple, but effective, 10 meter antenna that, supposedly will not disturb marital bliss. This article is based on a Radio Shack CB antenna, but any 99" length of metal will do for the mast. I repurposed an aluminum flag support formerly used on the front porch. Find details and the rules [here](#).

Lunch Kitty Financials – for Feb., 2020

**Attendance:** 21

Starting Lunch Kitty:	\$	150.75
Expenses: Pizza(1) & Salads	\$	102.00
Drinks: Soda: 8 @ 0.375 =	\$	3.00
Water 2 @ 0.25 =	\$	0.50
Food Total:	\$	105.50
Income: Lunch:	\$	108.75
Recycling: 7/17/21	\$	30.00
Room Rent-To General Funds:	\$	00.00
Starting - Kitty for Mar 17, 2020 Mtg:	\$	184.00

[Gain of \$30.25 - \$20.00 for room rent = Gain of 10.25]

**ARRL Letter - Excerpts of Possible Interest****New England Parks On The Air Event Set for Mid-October**

The inaugural Autumn New England Parks On The Air (NE POTA) event will take place on Saturday, October 16, 0000 - 2359 UTC, the [KIUSN Radio Club](#) has announced. The goal is to have one group or individual operator at as many [Parks On The Air](#)<sup>®</sup> as possible. The KIUSN Radio Club hopes this will become an annual event. This is a recreational radio event, not a contest, so no logs will be required to participate. Summaries of activity are encouraged, however, and a [post-event link](#) will be available.



"This began as a reaction to the widespread local interest in the Parks On The Air (POTA) program here in New England. Last year, Ohio had a successful Ohio-wide POTA weekend, and Wisconsin is now doing something similar," said KIUSN Radio Club President Pi Pugh, K1RV. "Autumn is a special time in New England, and I figured the event might generate some extra interest before winter. Perhaps this can become an annual New England event or, better yet, an annual nationwide or worldwide event."

ARRL New England Division Vice Director Phil Temples, K9HI, is hoping the event will give the public a chance to learn a bit more about amateur radio. He encouraged those who plan to participate to promote the event with informational handouts.

Jamboree-on-the-Air (JOTA), the largest Scouting event in the world, also occurs during the weekend of October 15 - 17, and NE POTA participants are encouraged to reach out to local Scouting groups.

A [spreadsheet](#) has been created to keep track of individuals and clubs that register. [Contact](#) Pugh for more information.

"If you don't find a way to make money while you sleep, you will work until you die."

- Warren Buffett

## ARRL Awards Colvin Grant to Latest Bouvet Island DXpedition

ARRL has awarded a Colvin Grant of \$5,000 to Amateur Radio DXpeditions (ARD), the Norwegian nonprofit organization that is sponsoring the [3Y0J DXpedition](#) to Bouvet Island in fall 2022. Co-leaders



for the effort are Ken Opskar, LA7GIA; Rune Øye, LA7THA, and Erwann Merrien, LB1QI. A Colvin Grant in the same amount was returned after the Intrepid-DX Group had to drop its plans for an early-2023 Bouvet DXpedition that would have used the same call sign.

The multinational team plans to activate Bouvet in November 2022. A dependency of Norway, Bouvet is a sub-Antarctic island in the South Atlantic and the second-most-wanted DXCC entity, behind North Korea. The last Bouvet activation was 3Y0E, during a scientific expedition over the winter of 2007 - 2008.

Amateur radio DXpeditions would field a team of 12 operators for a 20-day stay on Bouvet, setting up at Cape Fie in the southeastern part of the island, which the DXpedition organizers called "the only feasible part to safely set up camp on rocky ground." The DXpedition has set a goal of 120,000 contacts during its stay.

The Colvin Award is funded by an endowment established by the legendary DX couple Lloyd Colvin, W6KG, and Iris Colvin, W6QL, both now deceased. The Colvin Award is intended to support amateur radio projects that promote international goodwill in the field of DX. Grantees must be groups with a favorable DX track record and with experience directly related to the proposed enterprise. The proposed project must have as a goal a significant achievement in the field of DX. Preference is given to multinational groups, all of whom are members of their own national IARU member-societies.

In August, the Northern California DX Foundation ([NCDXF](#)) donated \$100,000 to the 3Y0J DXpedition, set for late 2022. The NCDXF is now the DXpedition's lead sponsor.

"We wish to recognize and thank the NCDXF as the lead sponsor for our 3Y0J DXpedition to

Bouvet," the 3Y0J team said. "Without the support of the NCDXF, operations to the world's rarest entities would be difficult."

On September 11, the 3Y0J DXpedition announced a donation of €10,000 (approximately \$11,815) from the German DX Foundation ([GXDF](#)).

The 3Y0J team said that with its overall budget of \$650,000, this DXpedition to Bouvet will be the most expensive ever.

Visit the [3Y0J DXpedition](#) website or [Facebook page](#) for more information or to donate.

## ARRL Learning Network Webinars

Visit the [ARRL Learning Network](#) (a members-only benefit) to register, check on upcoming webinars, and to view previously recorded sessions.

**Using the Raspberry Pi with Ham Radio /**  
Presented by Jason Oleham, KM4ACK, Tuesday, October 19, 2021 @ 1:00 pm EDT (1700 UTC)

Computers have become an important part of amateur radio. The Raspberry Pi is a low-cost yet powerful computer that can be used for many amateur radio tasks. Jason Oleham, KM4ACK, an avid YouTube content creator, discusses how to use the Pi, why he started using it, and why he developed Build-a-Pi, a script that gets hams up and running quickly.

ARRL members may register for upcoming presentations and view previously recorded [Learning Network](#) webinars. ARRL-affiliated radio clubs may also use the recordings as presentations for club meetings, mentoring new and current hams, and discussing amateur radio topics.

The ARRL Learning Network schedule is subject to change.

## ARRL Volunteer Monitor Program Report - September 2021

The Volunteer Monitor (VM) Program is a joint initiative between the ARRL and FCC to enhance compliance in the Amateur Radio Service. This is the VM Program report for September 2021.

- Technician-class operators in Mansfield, Ohio; Avon Park, Florida, and Pulaski, Tennessee, received *Advisory Notices* after making numerous FT8 contacts on 20 meters.

Technician-class licensees do not have operating privileges on 20 meters.

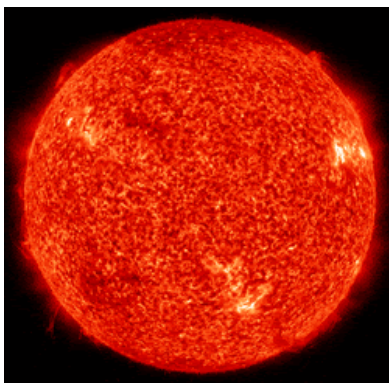
- A Volunteer Monitor in Mission Viejo, California, received a Department of Homeland Security, United States Coast Guard *Certificate of Appreciation* for his efforts in locating a defective transmitter on Marine Radio Channel 16 that was blocking emergency communications on that channel.
- A former licensee in Durham, North Carolina, received an *Advisory Notice* for operating under a call sign and license cancelled by the FCC.
- An operator in White Pine, Tennessee, received an *Advisory Notice* regarding operation on 7.137 MHz, a frequency not authorized under his General-class license.
- Operators in Swannanoa, North Carolina, and New Albany, Indiana, received *Good Operator Notices* for exemplary operation during 2021 and for regularly assisting other operators with transmitter adjustments and amateur radio procedures.
- The VM Program made one recommendation to the FCC for case closure.



VM Program statistics for August showed 2,008 hours on HF frequencies and 2,642 hours on VHF frequencies and above, for a total of 4,650 hours. --  
*Thanks to Riley Hollingsworth, K4ZDH, Administrator, Volunteer Monitor Program*

### The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Although we saw sunspots on every day of the October 7 - 13 reporting week, solar activity declined a bit. Average daily sunspot number went from 30.7 to 23.6, and average daily solar flux from 86.9 to 85.6. Geomagnetic indicators were higher, with the average daily planetary A index rising from 8.1 to 12.4, and the average daily middle latitude A index from 6.7 to 10.3.



The sunspot numbers and middle latitude A index for October 13 are preliminary, but should be resolved by October 15. The same is true for the solar flux forecast, which is actually a day late, so we present the numbers from Tuesday's forecast instead of Wednesday.

On Saturday, October 9, [Spaceweather.com](https://www.spaceweather.com) reported a strong Earth-directed M1.6-class solar flare, with CME erupting at 0640 UTC and causing an HF radio blackout over the Indian Ocean. This caused the planetary A index on October 12 to hit 45 and Alaska's College A index to read 60.

Predicted solar flux is 82 on October 14 - 15; 80 on October 16 - 20; 88 on October 21 - 22; 85 on October 23 - 24; 90, 100, 95, and 90 on October 25 - 28; 88 on October 29 - 30; 85 on October 31 - November 5; 88 on November 6; 85 on November 7 - 13; 88 on November 14 - 15; 90 on November 16, and 88 on November 17 - 18.

Predicted planetary A index is 5 and 8 on October 14 - 15; 5 on October 16 - 17; 12 on October 18; 8 on October 19 - 21; 5 on October 23 - 24; 10 on October 25; 5 on October 26 - November 1; 8 on November 2; 5 on November 3 - 5; 10 on November 6 - 7; 8 on November 8 - 9; 5 on November 10 - 12, and 10, 12, 12, 10, and 8 on November 13 - 17.

Sunspot numbers for October 7 - 13 were 13, 13, 14, 38, 35, 26, and 26, with a mean of 23.6. The 10.7-centimeter flux was 85.7, 92.4, 81, 84.5, 88.5, 83.5, and 83.5, with a mean of 85.6. Estimated planetary A indices were 5, 4, 5, 9, 13, 45, and 6, with a mean of 12.4. The middle latitude A index was 3, 3, 4, 9, 15, 32, and 6, with a mean of 10.3.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) the Propagation Page of Carl Luetzelschwab, K9LA.

A propagation bulletin [archive](#) is available. For customizable propagation charts, visit the [VOACAP Online for Ham Radio](#) website.

[Share your reports and observations](#)

**Just Ahead in Radiosports**

(T=Contest; P=Party)

- Oct. 16 - 17 -- JARTS WW RTTY T  
 Oct. 16 - 17 -- 10-10 International Fall T (CW),  
 Oct. 16 - 17 -- New York QSO Party (CW ph, dig)  
 Oct. 16 - 17 -- Worked All Germany T (CW, ph)  
 Oct. 16 -- Feld Hell Sprint  
 Oct. 16 -- Argentina National 7 MHz T (ph)  
 Oct. 17 -- RSGB RoLo CW  
 Oct. 17 -- Asia-Pacific Fall Sprint (CW)  
 Oct. 17 -- UBA ON T, 2 Meters (CW, ph)  
 Oct. 17 - 18 -- Illinois QSO Party (CW, ph, digital)  
 Oct. 17 - 18 -- Run for the Bacon QRP T (CW)  
**Oct. 18 -- ARRL School Club Rndup (CW, ph)**  
 Oct. 18 -- RSGB FT4 T Series  
 Oct. 20 -- AGCW Semi-Autmtc Key Even'g (CW)  
**Oct 30 – 31 - CQ Worldwide SSB DX T (SSB)**  
**Dec 4 -5 -- The ARRL 10 Meter T (ssb, Cw, dig)**

See the [ARRL Contest Calendar](#) for more information.  
 For in-depth reporting on Amateur Radio contesting,  
 subscribe to [The ARRL Contest Update](#) via your ARRL  
 member profile email preferences.

All dates & times are UTC.

**Amateur Radio in the News**

ARRL Public Information Officers, Coordinators,  
 and many other member-volunteers help keep  
 amateur radio and ARRL [in the news](#).

- [Amateur radio operators hear about their role in a major earthquake](#) / *West Kentucky Star*, Kentucky, October 11, 2021
- [Hundreds take part in Burlingame's Drill. Residents joined by police, fire and Ham radio operators](#) / *Patch*, California, October 10, 2021

[Share](#) amateur radio media hits you spot with us

**ARRL Section, State and Division Conventions / Hamfest**

*in the West or near members everywhere:*  
*Some conventions and hamfests may have been canceled or postponed due to the coronavirus pandemic. Check the [calendar of canceled events](#) on the ARRL website.*

October 15 - 17 -- [ARRL Pacific Division Convention](#) (Pacifcon), San Ramon, California

November 6 - 7 -- [ARRL Georgia State Convention](#) (Stone Mountain Hamfest), Lawrenceville, Georgia

November 13 -- [ARRL Wisconsin State Convention](#) (Wisconsin ARES/RACES Conference) -- Online

November 13 - 14 -- [ARRL Central Division Convention](#) (Fort Wayne Hamfest & Computer Expo), Fort Wayne, Indiana

Find conventions and hamfests [in your area](#).

**In Brief...**

**The Intrepid-DX Group has extended the submission deadline for this year's Youth "Dream Rig" Essay Contest to November 15, 2021.**



The winner of the 2021 contest will be announced on December 1. Those who submitted an essay last year are invited to submit again. The prize is an Icom IC-7300 transceiver. Entry rules: (1) Write and submit a two-page essay that answers the question, "How can amateur radio evolve to remain relevant in the age of the internet?" (2) Be a US amateur radio licensee aged 19 or younger. (3) Promise to keep the radio for 1 year and to use it on the air. (4) [Send](#) your essay in text or MS Word attachment by November 15, 2021 (no Google documents, please) (5) Alternatively mail it to The Intrepid-DX Group, 3052 Wetmore Dr, San Jose, CA 95148, USA, postmarked by November 15, 2021. All submissions become the property of the Intrepid-DX Group and may be published. [Contact](#) Paul Ewing, N6PSE, and visit The Intrepid-DX Group [Facebook page](#) for more information.

**RTTY Service Station K6KPH, operating from the Maritime Radio Historical Society ([MRHS](#)), is officially back on the air.**

K6KPH also transmits W1AW Qualifying Run texts and the W1AW Field Day Bulletin. The station was off the air due to COVID-19 restrictions and antenna damage. Repairs to the transmitter site in Bolinas, California, were performed under a US National Park Service grant and support from the MRHS. Years of damage from decaying poles, failing crossarms, and falling trees necessitated the repairs, MRHS said.

However, the November West Coast Qualifying Run is to be transmitted from K9JM and is scheduled for Wednesday, November 17, 2021, at 0500 UTC on 3590 and 7047.5 kHz. [Also, see page 8 – ed]

## Radio station WBZ in Boston (1030 kHz) is celebrating its 100th anniversary in 2021.

It is the oldest broadcast station in New England and one of the oldest stations in the US. The Billerica Amateur Radio Society and the Hampden County Radio Association will commemorate the anniversary with a special event, starting on September 17 at 1300 UTC and wrapping up on September 20 at 0359 UTC. Look for W1W, W1B, W1Z, and WB1Z on all bands, SSB, AM, CW, and digital modes. New England operators interested in operating one of the special event stations should [contact](#) Larry Krainson, W1AST.



## Call Sign History

If you're interested in Call Sign history, that is the history of how they came to be, it is rather interesting. [Click here](#) for an excellent YouTube video supplied by Steve, KI6GUY

## NEW HF OPERATORS -- THINGS TO DO

A couple of state QSO parties this weekend will help get your contesting feet wet, and to add to your Worked All States awards! The [New York State QSO Party](#), starts at 1400 UTC Saturday, October 16 through 0200 UTC Sunday, October 17. Multipliers for New York stations are each NY County, US State, VE province or territory (once, regardless of mode). Non- New York Stations count each New York county as multipliers once, regardless of mode. CW, SSB and digital modes are allowed on all bands except WARC bands.

[The Western Illinois Amateur Radio Club](#) sponsors the Illinois QSO Party, 1700 UTC Sunday, October 17 through 0100 UTC Monday, October 18. Use all non-WARC HF bands and 6 and 2 meters. Multipliers for Illinois stations are each Illinois county, US state, VE province once, and up to 5 DXCC countries. Non-Illinois stations work each Illinois county once. Allowed modes are CW/Digital and Phone.

## NEWS, PRESS RELEASES, AND GENERAL INTEREST

The Radio Amateur Society of Australia (ACMA) has announced the release date of new 2x1 Contest Callsigns. These callsigns will be assigned with the usual Australian prefix of VK, along with the additional prefixes of VJ and VL as well. The new 2X1 calls are issued exclusively for use in amateur radio contests and will be issued for a period of twelve months. For more information, see the ACMA news release available on their website [here](#).

## WORD TO THE WISE - W/VE Stations

Often when reading rules for a specific contest, you'll see language like "W/VE Stations work DX stations; DX stations work everyone." I've been asked on several occasions, "What's a W/VE station?" W/VE stations are those stations located in the United States and Canada, while DX stations are the rest of the world. Be careful though, in some contests Alaska, Hawaii and the US territories are considered DX (such as ARRL International DX contest), and others they are considered W/VE (such as ARRL Sweepstakes).

## Announcements

- On September 6, Paul Ewing, N6PSE, [announced](#) that Nigel Jolly, K6NRJ, has sold the SV *Braveheart* to a new owner who will make her available for amateur radio DXpeditions. The *Braveheart's* new home port will be Ushuaia, Argentina, the "gateway to Antarctica." The vessel is now in New Zealand.
- **Stew Perry** - The dates have been posted for the four Stew Perry [Top Band Distance Challenge](#) events on 160 meters. This year's main Stew in December will occur 1 week earlier than usual -- on December 18 -- to avoid a conflict with Christmas. The schedule for this year is: March 13, June 19, Oct. 23, and Dec. 18.
- **Steve Johnston, WD8DAS**, has purchased [AF4K Crystals](#) and plans to reopen it soon. AF4K Crystals was a source for vintage and modern radio crystals for nearly 2 decades. The company will fill a gap for those seeking to buy quartz crystals for projects.

**Select DX News** (QRV = Ready! or Are you Ready?)**ARLD041 DX news**

This week's bulletin was made possible with information provided by The Daily DX, the OPDX Bulletin, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

GUINEA BISSAU, J5. Members of the Italian DX Team are now active as J5T on CW, SSB & RTTY and J5HKT on FT8 until **October 22**. Activity is on 160 to 10M using CW, SSB, RTTY & FT8. We will have 6 ops and 4 stations active. QSL via I2YSB direct, OQRS or LoTW.

ANGOLA, D2. Vasco, CS7ACE is active as D2ACE from Luanda, 1st time since 2016. He is on 18145 kHz from 1500 to 1600Z. [listed Oct. 2021 – ed] QSL direct or via bureau to CT2IXQ.

INDONESIA, 7A. A team of operators will be active as 7A2A from a contest station in Central Java during the **CQWW DX SSB Contest**. QSL to LoTW, direct, or via YB2DX.

KUWAIT, 9K. Abdallah, 9K2GS will be active as 9K2K during the **CQWW DX SSB Contest** as a Single-Op/Single-Band (15m) entry. QSL via EC6DX or LoTW.

MAURITANIA, 5T. Operators Johannes, PA5X and Gerben, PG5M will be active as 5T5PA/P and 5T1GM, respectively, until **October 19**. Activity will be on 40 to 10 meters using CW, SSB, and FT8. QSL 5T5PA/P via LoTW, Clublog or via PA5X (direct or by the Bureau).

UNITED STATES, W. Rich, WA5LFD, is active as WA5LFD/p from North Padre Island, NA-092, until **November 30**. Activity is on 80 to 10M, and possibly on 6 and 2M, using CW, SSB, and RTTY. QSL via LoTW or WA5LFD direct. Also, Mike, W7LG/4 will be QRV from Hatteras Island, NA-067 from **October 24 to 29**, using CW and SSB on 80, 40 and 20 meters. QSL to eQSL or LoTW or direct to W7LG.

KINGDOM OF ESOWATINI, 3DA0. The Russian DXpedition Team (RUDXT) will be QRV as 3DA0RU until **October 22**. Activity will be on 160 to 6M using CW, SSB, FT8 and QO-100

satellite, with multiple stations. QSL via R7AL (direct or by the Bureau), ClubLog's OQRS (preferable) or LoTW.

The Latvian RSF team will be active as 3DA0WW until **October 26**. Activity will be on 160 to 10 meters using CW, SSB, RTTY & FT8 (F/H). QSL via YL2GN (direct) or ClubLog's OQRS (direct and by the Bureau). The log will be uploaded to LoTW six months after the end of the operation.

Lionel, ZS6DPL will be QRV as 3DA0LP from Manzini from **November 1 to 5**.

AUSTRIA, 4U2. Members of the International Amateur Radio Contest DX Club (ARCDXC - United Nations, 4U1A) will be active as 4U2U until **October 31**. Celebrating United Nations Day. QSL via UA3DX, direct or by the Bureau.

HAWAII, KH7. Alex, KU1CW, will be active as KH7Q from Oahu Island (OC-019) during the **CQWW DX SSB Contest** as a Single-Op/All-Band entry. Activity before and after the contest where Alex will be signing KH6/KU1CW. QSL KH7Q via LoTW or direct to AH6NF.

TAIWAN, BV. Jun, JH4RHF/OE1JUN is currently in Taiwan for his work until **November 8**. In his spare time he will try to be on the 40 & 10M bands, using CW. QSL via OE1JUN.

SABA, PJ6. Bart, PD1BAT will be QRV as PJ6/PD1BAT from **Oct. 30 to Nov. 5**. He'll have an FT-818 and ended for 40, 20 and 10 meters and plans to be active on FT8 on 40 and 20 meters. QSL via the bureau to PD1BAT.

CYPRUS, 5B. Paul, SA6PIS will operate holiday style as 5B/SA6PIS from **Oct. 19 to 31**. He'll also visit WWFF references. QSL via SA6PIS (d/B).

CRETE, SV9. Erwin, DK5EW is QRV until **Oct. 28** as SV9/DK5EW on 2M EME & MS. QSL via DK5EW (d), LoTW.

SERBIA, YU. Members of the Amateur Radio Club Novi Sad celebrate their city's status as EU Capital of Culture 2022 - call sign YU2022NS until **December 30**. QSL via YU7BPQ.

RWANDA, 9X. Members of the Holy Land DX



Group (HDXG) will sign 9X4X **between November 24 and December 1**. They will run 3 stations on 160 to 10M using CW, SSB, RTTY & FT8 and some satellite operation as well. They will also participate in the CQWW DX CW Contest. QSL via Ruben, 4Z5FI (direct or by the Bureau) or ClubLog's OQRS.

THE GAMBIA, C5. Alan, G3XAQ will be active as C56XA from **Nov. 24 to Dec. 2**. Activity will be on 40 to 10 meters using only CW. He will be active during the CQWW DX CW Contest as a Single-Op/Single-Band (20m)/ Low-Power entry. QSL via G3SWH's OQRS, direct or LoTW, No bureau cards. The log will be uploaded to LoTW & ClubLog once Alan returns home.

COMOROS, D6. Members of the F6KOP Radio Club are planning to activate the Comoro Islands (AF-007) with a multi-national 12 operator team sometime between mid-to-end January in 2022. Activity will be on 160 to 10 meters, using CW, SSB, RTTY, and FT8/FT4, with 5 stations as well as QO-100 satellite operations. Call sign - pending.

TONGA, A3. Masa, JA0RQV is QRV as A35JP on Tongatapu Isl, IOTA OC-049, until **Oct. 31** Ops is on 80 to 6M using CW, SSB & FT8. He also plans to visit other islands in IOTA groups OC-191, OC-123, OC-064 and OC-169 during this time. QSL #1

GUINEA, 3X. Jean-Philippe, F1TMY, expects to be QRV as 3X2021 from Conakry beginning in **mid-September, 2021 and here for a few years**. He plans to be active on 160 to 6M, and Satellite QO-100. He also plans side trips to the Los Islands, IOTA AF-051. QSL via Club Log.

NIGER, 5U. Adrian, F4IHM will be QRV as 5UAIHM from Niamey until **October 22**. Activity will be on 40 & 20M using CW & SSB. QSL#1

SEYCHELLES, S7. Fred, DH5FS is QRV as S79/DH5FS from La Digue and Praslin Islands, IOTA AF-024. Activity is in his spare time on the HF bands using CW and FT8. [listed **Sept. '21** – ed] QSL to home call.

NIGER, 5U. Adrien, F4IHM will be QRV as 5UAIHM from **September 11 to October 22**. Look for him on 40 and 20 meter CW. QSL via F4IHM, direct or via the Bureau.

THE GAMBIA, C5. Operators Luc, F5RAV, Gerard, F5NVF & Abdel, M0NPT will be active as C5C from **October 24 to November 19**.

Activity will be on the HF bands using CW, SSB, digital & the QO-100 satellite. QSL via F5RAV.

PANAMA, HP. Special event stations 3F200AT and 3F200NG are QRV **until November 30** to celebrate Panama's Bicentennial anniversary of Independence. QSL via LoTW.

**Long Term** (more than 1 month)

RWANDA, 9X. Members of the Holy Land DX Group (HDXG) will sign 9X4X **from November 24 to December 1**. Operators include Mark, 4Z4KX, Hilik, 4X6YA, Ruben, 4Z5FI, Ruslan, 4Z5LA, Hanan, 4Z1DZ, Slava, 4Z5MU and Jan, 4X1VF. They will run three stations on 160 to 10 M using CW, SSB, RTTY and FT8, and maybe satellites. They will also participate in the CQWW DX CW Contest. QSL via Ruben, 4Z5FI.

DODECANESE, SV5. Mort, G2JL is QRV as SV5/G2JL from Lipsi Island **for the next three months**. [listed **Aug. 2021** – ed] Activity will be on all bands and modes, Propagation permitting. Operations have been on 20M CW. QSL via G2JL, direct or via the Bureau.

TURKS AND CAICOS ISLANDS, VP5. Mario, I2HBW is QRV as VP5MA **until the end of October**. QSL via Club Log.

ANTARCTICA. Mark, W5MED is QRV as KC4USV from McMurdo Station on Ross Island, IOTA AN-011, **until Oct. 2021** He is active on 20M using SSB and FT8 at various times of the day. QSL direct to K7MT.

ARUBA, P4. John, W2GD will be QRV as P40W from **October 18 to 31**. Activity will be on the various HF bands, with some focus on the 30, 17 and 12 & 160 meters using mostly CW. Activity will also include an entry in the upcoming CQWW DX SSB Contest as a Single Op/All Band entry. QSL via LoTW or N2MM. No bureau cards.

UK SOVEREIGN BASE AREAS ON CYPRUS, ZC4. Garry, 2M1DHG is QRV as ZC4GR **until December 31**. Activity is on the HF bands using SSB and various digital modes. QSL via EB7DX.

TAIWAN, BX30. Ken, JP1RIW will be active as BX30ARL from New Taipei City **until Dec 31, 2021** to celebrate the 30th anniversary of the Chinese Taipei Amateur Radio League. Activity will be on 40 to 6 meters. Ken operates mainly on the digital modes on weekends. QSL via BM2JCC.

SERBIA, YT. Members of the Serbian CW Club are QRV with special event station YT165TESLA during **all of 2021** to commemorate the 165<sup>th</sup> anniversary of Nikola Tesla's birth. QSL via YU1MM.

ARGENTINA, LU. Splc event stn L21RCA is QRV **during all of 2021** to celebrate the 100th anniversary of IARU member society Radio Club Argentino. QSL via LU4AA.

FINLAND, OH. Members of the Finnish Amateur Radio League are QRV during **all of 2021** with special event call OH100SRAL to celebrate their 100th anniversary. QSL#3

VENEZUELA, YV. Special event station YW200BC is QRV **during 2021** to commemorate the Battle of Carabobo 200 years ago, which paved the way for Venezuela's independence. Activity is on 80 to 10 meters using CW, SSB and various digital modes. QSL via YV4KW.

AUSTRALIA, VK. Special event station VI50SG is QRV **until December 31, '21** to commemorate the 50 years of the St. George ARS. QSL #3.

ASCENSION ISLAND, ZD8. Tev, TA1HZ is QRV as ZD8HZ during **all of 2021**. He plans to be active in the CQ World Wide WPX SSB contest as well. #1

PERU, OA. Members of the Asociacion de Radioaficionados del Peru are QRV with special calls OC4B, OC6B, and OC7B **until December 31, 2021** to celebrate the bicentennial of Peruvian independence. Activity is on 40, 20, 17 and 15 meters using SSB and FT8. QSL via LoTW.

FEDERAL REPUBLIC OF GERMANY, DA. Special call sign DL65ESSEN is QRV **until Dec. 31, '21** to celebrate the 65th anniversary of the DARC's Ortsverband Essen. QSL #3

BELGIUM, ON. Members of the radio club Noord Oost Limburg are QRV with special call sign OR40NOL **until the end of 2021** to celebrate the club's 40th anniversary. QSL via ON6NL.

### Until 2022

COLOMBIA, HK. Lothar, DK8LRF be QRV as HK3JCL **until end of May 2022**. Activity will be mainly on 20 meter SSB. QSL via his home call sign via the Bureau.

REPUBLIC OF KOREA, HL. Kang, DS4DRE is QRV as DS4DRE/4 from Komun Island, IOTA AS-060, until the **end of January, 2022**, on 80 to 10M using CW & SSB. QSL #1

JAPAN, JA. Special event station 8N1MORSE is QRV **until Feb. 28, 2022**, the 230th anniversary of the birth of Samuel F. B. Morse and the 120th anniversary of Guglielmo Marconi's successful transatlantic radio communication by Morse Code. QSL #3

UK SOVEREIGN BASE AREAS ON CYPRUS, ZC4. Garry, 2M1DHG is QRV as ZC4GR **for the next few years. [listed Jan. 2021 - ed]** Activity is mainly on 40 to 10 meters using SSB and FT8, and possibly SSTV, PSK31 and WSPR in his spare time. QSL via EB7DX.

GEORGIA, 4L. Peter, G4ENL plans to be QRV as 4L1PJ from Svaneti while on work assignment. He expects to be here for the **next few years. [listed Jan. 2021-ed]** Activity is on various HF bands using SSB. QSL via N4GNR.

ZAMBIA, 9J. Bodo, HB9EWU plans to be QRV as 9J2BG while spending one year on a humanitarian mission at the St. Paul's Mission General Hospital in Kashikishi. Activity will be on 20M. **[until Feb 2022 – ed]** QST#1

POLAND, SP. Special event stations SN0ZOSP and SN100ZOSP are QRV until **February 5, 2022** to celebrate the 100th anniversary of the Association of the Voluntary Fire Brigades of the Republic of Poland. QSL SN0ZOSP via SP9ODM and SN100ZOSP via SP9SPJ.

NICARAGUA, YN. Trevis, YN7ZTR is a missionary working in Gaunacastillo for the next two years. He is active in his spare time. **[Until 2022-June-ed]** QSL via LoTW.

### Until 2025

LAOS, XW. Mike, XW2DX is QRV from Vientiane and is here for the next 5 years. **[Until August 2025-ed]** Activity is on 20, 15 and 10 meters. QSL via RM0L.

#### Notes:

1. QSL direct to home call.
2. QSL via operators' instructions.
3. QSL via bureau
4. QSL via LoTW
5. QSL via Instruction on QRZ.com
6. QSL via eQSL
7. QSL via QRZ.com
8. QSL via ClubLog

**AMATEUR RADIO LICENSING EXAMS:**

TRW Swap meet at the corner of Aviation Blvd and Marine Avenue in Redondo Beach. 10AM in the Northrop cafeteria. Always the last Saturday of the month – no reservation is required.

([www.W6TRW.com](http://www.W6TRW.com)) [inactive - Covid-19-ed]

**ARRL Announces Free Exam Review Website**

The ARRL has launched a web site that allows users to take randomly generated practice exams using questions from the actual examination question pool. [ARRL Exam Review for Ham Radio™](#) is free, and users do *not* need to be ARRL members. The only requirement is that users must first set up a site login (this is a different and separate login from your ARRL website user registration).

**Other Free Practice Exam Sites:**

<http://aa9pw.com/radio/technician/>

<http://www.eham.net/exams/>

This Practice Exam site Requires Registration

<https://www.qrz.com/hamtest/>

**ARRL LAX Section Officers:**

Section Manager: Diana Feinberg, AI6DF  
PO Box 4678

Palos Verdes Peninsula. Ca 90274-9618

[AI6DF@arrl.org](mailto:AI6DF@arrl.org) or 310-544-2917

Asst. Section Manager: Mark Chung, KK6SMD

[mchung@prodigy.net](mailto:mchung@prodigy.net)

LAX Section Traffic Mngr: Kate Hutton, K6HTN

For Radiogram formatting instructions go to

[www.ARRLLAX.org](http://www.ARRLLAX.org) .

**RF Safety** – Power Density Web site:

[http://hintlink.com/power\\_density.htm](http://hintlink.com/power_density.htm)

ARRL [RF exposure calculator](#)

Links: [TRW license test](#)

<http://w6trw.com/index.php/amateur-radio-license-testing/>

**International Space Station (ISS) -145.800 MHz.**

**PodCast – Amateur Radio News**

(The above is a link to an MP3 audio feed)

**YouTube:** [Call Sign History](#)

**On-Line Stores / suppliers:**

<http://www.impulseelectronics.com/> PowerPole

<https://elkantennas.com> - LPA VHF/UHF Ant.

<http://hamcity.com> - Local – Conn, cables, ants.

<http://www.aesham.com/> - Ham Radio Outlet

<http://www.dxengineering.com>

<http://www.gigaparts.com/>

<http://www.AllElectronics.com> – Parts

<http://TheWireman.com> – Ant. Coax, UV Dacron

ARRL <http://arrl.org>

CQ Mag [http://store.cq-amateur-](http://store.cq-amateur-radio.com/product-category/books/)

[radio.com/product-category/books/](http://store.cq-amateur-radio.com/product-category/books/)

BGMicro <https://www.bgmicro.com/>

**HARC Past & Current Presidents**

1973 Doug Erny, AK7E (former W6NPD)

1974 Orson Just, K6JGV, sk

1975, 76 Tom Rothwell, K6ZT, sk

1977 Tom McInnis, WB6ZEB, sk

1978,79 Sam Weise, W6LXR

1980 Bob Poole, AJ6F, sk

1981 Russ Sanford, WA6NQO, sk

1982, 83 Chuck, KN6H

1984 John Bennett, WD6BAI

1985 Scott Fraser, KN6F

1986, 87 Ed, K6GQV

1988 John, WA6LOD

1989, 90 John, KJ6AW

1992 Bruce, WB6ARE

1993 Rick, KD6DYN

1994

1995,6,7,8,9 Brian, AB6UI

2000,1,2 Bruce, W6BLS

2004,5,6 Ed, N6EG

2007 - 2014 Barry, KG6NWJ

2015, 16, 17 – Dale Birmingham, WB6MMQ

2018-19 Mike, N6MDV (Past President)

2020 – Brian, AB6UI (President)

**How To:** **Wires-X** can be found at [K7REA.com](http://K7REA.com)

**Southern California Band Plans:**

**Tasma** – 2 Meters

<http://www.tasma.org/TASMA-2m-Band-Plan.pdf>

**220SMA Band Plan** – 1 ¼ Meters

<http://www.220sma.org/index.htm>

**SCRRBA (Southern California Repeater and Remote Base Assoc.)** – 440 mHz (70 cm) and up

<http://www.scrba.org/BandPlans/BandPlans.htm>

**W1AW Operating Schedule** (Edited - Note: Local time stays the same, UTC varies w/DST)

Morning Schedule:

Winter	Summer	Local	Mode	Days
1400 UTC	1300 UTC	(6 AM PDT)	CWs	Wed, Fri
1400 "	1300 UTC	(6 AM PDT)	CWf	Tue, Thu

Afternoon/Evening Schedule:

2100 UTC	2000 UTC	(1 PM PDT)	CWf	Mon, Wed, Fri
2100 "	2000 "	"	CWs	Tue, Thu
2200 "	2100 "	(2 PM PDT)	CWb	Daily, CW Bulletin, 18 WPM
2300 "	2200 "	(3 PM PDT)	DIGITAL	Daily, Digital Bulletin
0000 "	2300 "	(4 PM PDT)	CWs	Mon, Wed, Fri
0000 "	2300 "	"	CWf	Tue, Thu
0100 "	0000 "	(5 PM PDT)	CWb	Daily, CW Bulletin, 18 WPM
0200 "	0100 "	(6 PM PDT)	DIGITAL	Daily, Digital Bulletin
0245 "	0145 "	(6:45 PM PDT)	VOICE	Daily, Voice Bulletin
0300 "	0200 "	(7 PM PDT)	CWf	Mon, Wed, Fri
0300 "	0200 "	"	CWs	Tue, Thu
0400 "	0300 "	(8 PM PDT)	CWb	Daily, CW Bulletin, 18 WPM



	Frequencies (MHz)									
CW:	1.8025	3.5815	7.0475	14.0475	18.0975	21.0675	28.0675	50.350	147.555	
DIGITAL:	-	3.5975	7.095	14.095	18.1025	21.095	28.095	50.350	147.555	
VOICE:	1.855	3.990	7.290	14.290	18.160	21.390	28.590	50.350	147.555	

Notes:

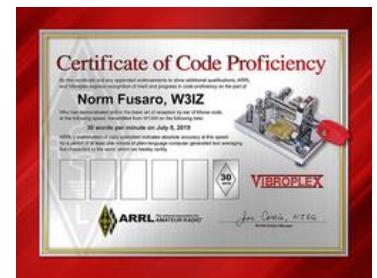
- CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 & 15 WPM
- CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 & 10 WPM
- CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.  
 DIGITAL = BAUDOT (45.45 baud) BPSK31 and MFSK16 in a revolving Schedule.  
 Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and alternate speeds.

**W1AW Qualifying Runs:** [for more info: [www.arrl.org/qualifying-run-schedule](http://www.arrl.org/qualifying-run-schedule) ]

Starting in Dec. W1AW will transmit Qualifying Runs up to 16 times per month.  
 Time is PST: [10 – 35 wpm – **Bold 35 – 10 wpm**] – on CW Frequencies listed above.

Month	6 AM	1 PM	4 PM	7 PM	6 AM	1 PM	4 PM	7 PM	6 AM	1 PM	4 PM	7 PM	6 AM
Oct.	10/19			<b>10/20</b>		10/22	10/21	10/25	<b>10/27</b>	<b>10/28</b>	10/29	10/15	
Nov.		11/1	<b>11/2</b>	11/4	11/5	11/9			<b>11/10</b>			11/12	
Nov.	11/16		11/18	<b>11/17</b>		11/19		11/22	<b>11/24</b>	Thanksgiving - No Code			



**West Coast Qualifying Runs:**

Wed. Oct 27 @ 6 PM HST (0400 UTC) by KH6TU on 7047.5 & 14047.5 kHz – 10 to 40 WPM  
 Wed. Nov 17 @ 9 PM PST (0500 UTC Nov. 18) by K9JM on 3590 & 7047.5 kHz – 10 – 35 WPM

Earn your Code Proficiency certificate by legibly coping at least 1 minute of text by hand and mailing the sheet to: W1AW Qualifying Runs, 225 Main St., Newington, CT 06111. Include \$10 (check or money order) if this is a submission for your initial Code Proficiency certificate; \$7.50 if you are applying for an endorsement (available for speeds up to 40 wpm). Your test will be checked against the actual transmissions to determine if you have qualified.

Audio from W1AW's CW code practices, CW/digital bulletins and phone bulletin is available using EchoLink via the W1AW Conference Server named "W1AWBDCT." The monthly W1AW Qualifying Runs are presented here, also. The audio (real-time) runs concurrently with W1AW's regular transmission schedule.

**K1USN Radio Club Announces Weekly Slow-Speed CW Contest**

The K1USN Radio Club in Massachusetts is launching a new weekly, hour-long, slow-speed contest, the [K1USN SST](#). **Fridays 1:00-2:00 pm PDT** (2000z -2100z) and **Sundays, 5 to 6 PM PST** (Monday 0000-0100 UTC) Suggested frequencies: 3.532 - 3.539; 7.032 - 7.039 MHz, & 14.032 - 14.039 MHz. Exchange name & s/p/c. Read [more](#).

**The Straight Key Century Club (SKCC):** [http://www.skccgroup.com/member\\_services/beginners\\_corner/](http://www.skccgroup.com/member_services/beginners_corner/)  
 SKCC Beginner's Corner - Monthly Straight Key Night (SKN) is on the 1st of each month. It is not a contest. No logs are submitted. The Elmer frequency is **7114 KHz**. It's a safe haven for CW newcomers. Elmers are encouraged to monitor the frequency and work the CW beginners, some of whom may have had a license for many years.

**2021 – 2022 CLUB OFFICERS****Elected Officers:**

<b>PRESIDENT:</b>	Brian, AB6UI	President at W6HA.com
<b>VICE PRESIDENT:</b>	Howard, KE6MAK	W6HA_VicePresident at W6HA.com
<b>SECRETARY:</b>	James, W6JIC	W6HA at W6HA.com
<b>TREASURER:</b>	Paul, KK6TAC	Treasurer at W6HA.com
<b>STATION MANAGER:</b>	Mike, N6MHD	W6HAStationMgr at W6HA.com
<b>Immediate PAST PRES.:</b>	Mike, N6MDV	W6HA at W6HA.com

**Committees:**

<b>NEWSLETTER EDITOR:</b>	Dale, WB6MMQ	W6HA_Editor at W6HA.com
<b>QUARTERMASTER:</b>	Mike, N6MHD	W6HAStationMgr at W6HA.com
<b>WEB MASTER:</b>	Richard, KM6FP	W6HA at W6HA.com
<b>MEMBERSHIP:</b>	Dale, WB6MMQ	W6HA at W6HA.com
<b>SCRRBA REP:</b>	Ray, WA6NVL	WA6NVL at ARRL.net
<b>MEETING HOST:</b>	Dale, WB6MMQ	W6HA at W6HA.com
<b>FoTL Conf. Rm. Coor:</b>	Judi, KI6TKT	
<b>FIELD DAY :</b>	Individual Ops	FieldDay at W6HA.com
<b>MEMBERSHIP:</b>	Dale, WB6MMQ	W6HA at W6HA.com
<b>NET COORDINATOR:</b>	Howard, KE6MAK	W6HA at W6HA.com
<b>YAHOO GROUPS MOD:</b>	Richard KM6FP	W6HA at W6HA.com ( <a href="http://groups.yahoo.com/w6ha">http://groups.yahoo.com/w6ha</a> )
<b>CLASS MODERATOR:</b>		

**CLUB REPEATER:** W6HA 445.620 MHz (-) PL 127.3 Hz Location: Bldg. R1 roof  
**Packet** (node :hughes) 145.61s W6HA; **Wires-X** Room: 40909; Node: 30909

**HARC Repeater Nets: Wednesdays, 7:30 PM (0230 UTC Thursdays)**

**Thursdays, 12:05PM (1905 UTC) RTN ECT – All are welcome**

**South Bay ARC Net: Thursdays at 7:30 PM on W6SBA/R, 224.38, PL 192.8**

**LAFD CERT Net: 1<sup>st</sup> Tuesday of the month, 7:00 PM**

**HAC NET: Hughes ARC - 14.233 mHz +/- QRM - Inactive**

**Club Shack:** The club shack is in E1, Lobby D. There is a Kenwood TS-520 HF radio connected to a 40 –10 meter antenna. This station is open to all club members. ( I would be happy to give a tour of the HF station in "Lobby D" to club members. Michael, N6MHD ) But after covid restriction are removed.

**Club Newsletter:** If you have items that would be of interest to the club, any comments, letters, or items for sale or trade please email it to Dale, WB6MMQ W6HA\_Editor (at) W6HA.com. If anyone needs a club application, please contact Dale, WB6MMQ and one will be sent to you.

**Club Roster:** Hardcopy available at meetings or contact the club membership chairman Dale, WB6MMQ

**Web Site:** <http://www.W6HA.com> or [W6HA.com](http://W6HA.com)

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The Hughes Amateur Radio Club is an ARRL affiliated club for FCC-licensed amateur radio operators and their family members. Membership is open to all Amateur Radio Operators and those who are aspiring Amateur Radio operators.

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