



# The Transponder



The monthly newsletter of the [Hughes Amateur Radio Club, W6HA](http://W6HA.com)  
- An ARRL affiliated club -

December 17, 2021 Repeater 445.620 – PL 127.3 Website: <http://W6HA.com> Vol. XLVIII, No. 12

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

**Where:** El Sgundo Library and Zoom (See E-mail for ID & PW)  
**Location:** 111 Mariposa Ave (near Main Street) , El Segundo, CA 90245

**Meeting Notice:** **Date:** Tuesday, December 21, 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:**  
**Organizing Ham Support of Community Events**  
*By John, N6JLS*

**Up Coming Events:**

**Sean O’Brien 50/50 – Saturday, February 5<sup>th</sup>, 2022 - Tenetative**

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**Lunch:** Pizza: 1 Large Veggie; 1 Lrg Pepperoni; 1 Lrg Special; 1 Lrg Sausage, (\$3.50/slice)  
**Prices:** 2 slices of Pizza w/salad, \$8.00; 1 slice of pizza w/salad \$5.00; Salad only \$4.00  
**Sodas:** Coke, Coke Zero & Ginger Ale (\$1.00) - Water (50 cents)

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

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

Club News:Presidents Corner

**In-Person Meetings** - The library has been allowing the meeting rooms to be reserved (masks required) for a two or three months now. Finally, for December 21<sup>st</sup>, (the third Tuesday in Dec.) we have a reservation for the “Friends Of The Library (FoTL) Conference Room. We trust that most people wanting to attend in-person are fully vaccinated, but the library staff has indicated that they are not checking for vaccination cards. It seems the law requiring to check vaccination cards is a Los Angeles City regulation, Not a Los Angeles county regulation and the library has said before that they follow the County rules and regulations. Hence, the mask is required, since that is a LA County Rule.

The meeting will also be on Zoom, from the library, for those who are uncomfortable attending in-person, because of Covid-19, a long drive from the valley, or just didn't feel like getting out of their PJs.

**The Good News!** In December, or whenever our First Official In-Person meeting is actually held, Our V.P. Howard, KE6MAK is donating an HT to be raffled off, to In-person attendees, so you will want to attend.

73 de AB6UI, Brian

**Spruce Goose** - On November 2<sup>nd</sup> in 1947, Howard Hughes' H-4 Hercules prototype (aka 'Spruce Goose') made its one and only flight, in Long Beach Harbor. We have decided that it would be fun for our club to run a special event station(s) to commemorate the 75<sup>th</sup> anniversary of this historic event in November of 2022.

Dale, WB6MMQ, is currently forming a committee to work out all the details to make this happen.

**Web Site** - We have a new Web Master KM6FP. He has been working hard to update the club web page. Part of that activity will be to add a “fresh look” to the page, make updates and add new features. One of those updates will be a new club logo. We are the Hughes ARC and part of our legacy stems from Howard Hughes. Howard Hughes was a HAM and had the callsign 5YC. (Obviously

this was before the “modern” conventions for ham callsigns were established).

**LOGO Contest** - So, with this in mind, we have started a W6HA logo contest. We have been talking about this for several weeks on the weekly net but I wanted to firm up the contest rules:

- The logo will be used on the club web page and on official correspondence, stationary, QSL cards, etc.
- It should reflect on the legacy of Howard Hughes and his contributions and some of our clubs contributions to furthering the art of ham radio.
- Submissions should be submitted no later than March 31<sup>st</sup> 2022 and the winner will be announced at the April club meeting.
- The board members will review the entries and choose the best logo.
  - ***A Tri-Band HT awarded to the winner.***

Contests / Special Events : Dec/Jan**Straight Key Night**

**Jan 1<sup>st</sup> 2022(utc) – 0000 – 2059 UTC**

**Or Dec 31, 4:00 PM to Jan. 1<sup>st</sup> 03:59 PST**

Start the year with the sound of Morse Code.

Straight Key Night (SKN) is NOT a Contest, so there's no need for quick exchanges. All you need is your favorite straight key or bug.

So there are some rules which can be found [Here](#).

**Walk for the Bacon, QRP T** (CW<13 wpm)

This is a two (2) Hour (total Time) S L O W CW

Only, Contest for 40 Meters Only, In two (2) parts:

Part 1- Wed Jan 6 (1 Hr) 4 PM PST (0000-00100z)

Suggested Freq. 7050 to 7065, hot spot 7060 kHz

Part 2- Thur Jan 7 (1 Hr) 6 PM PST (0200-0300z)

Suggested Freq. 7110 to 7125, hot spot 7123 kHz.

More info and [Rules Here](#).

**The ARRL 10 Meter Contest – December 11 – 12 UTC (Dec 10; 5 PM to Dec 12; 4:59 PM PDT)**

Solar Cycle 25 may be started, but it has a way to go. The Ionosphere is not quite up to par, just yet. We had three stations in the 10 Meter contest for the club.

Our Station Manage, Mike, N6MHD, hosted a group at Raytheon Employee's Park on Saturday,

where they setup antennas and two stations, as follows:

Howard, Phil and I showed up about 10am Saturday and set up two stations. Howard was running on battery, I brought an extension cord and plugged into available commercial AC.

I left my metric wrenches at home which I needed tighten up the mast, but eventually I got the vertical clamped to the picnic canopy. Howard used a fishing pole and end fed wire, though resonant, it tuned best as a sloper for whatever reason.

We heard two or three local 6 (Ca) stations but could not complete a QSO. The Waterfall showed the 10m band as DEAD other than CW and some digital stuff. I had packed my laptop but left it at home. (The 10 meter contest is CW & SSB only although there may have been Digital stations to work - ed )

I called "CQ Contest" for a few minutes. No contacts were made but fun with radios was had. We ended up monitoring CB channels for a bit. No shortage of enthusiasm and activity there, maybe hams can learn a little from our neighbors on the bandscope. The park was empty. The ground was a little soft for bigger antennas due to the recent rain. We packup and left about 1:15pm

From Phil, K6PNJ: Yes indeed, it was a beautiful day and we had a big park all to ourselves. I even enjoyed the set up and tear down and didn't mind the empty band so much, as I learned a bunch from Mike and Howard, as always. Good "fishing" stories, as well. Thanks to Both! Happy Holidays!

And from a bit more successful attempt, we have this From Rick, N6IET:

[I just submitted my log for the ARRL 10-meter Contest indicating Hughes ARC as my ARRL-affiliated club. We shared 336 points for my 14 contacts in 6 sections - all CW, single operator, single transmitter, low power, at home.](#)

[I used my balcony FT-991A at 100W to my extended, horizontal Hustler mobile antenna off my balcony with a 15-meter resonator with its secondary resonance tuned to minimum SWR \(1.2:1\) at 28.1 MHz. Worked like a charm! All but 5 of my contacts were East Coast. I operated for a total of about 30 minutes. To submit my results, I used 'Cabrillo Web' to](#)

[create my ARRL log submission from a paper log. Rick N6IET](#)

Finally, from Dale (that's me) with his new, a bit higher, Vertical (almost) dipole that he pitched at the November meeting (responding to Rick: Hi Rick, I must confess, that I slipped a gear and was thinking 2400z was 5:00 PM PST, so I did not start until 5:00 on Friday afternoon. At that time, I worked two CAs; (Dx on Friday was South Pasadena). He reported QSB on my signal. That puzzled both of us. But later, I figured it was scatter from a 747 in the landing pattern, as I am close to LAX.

I tried for Gray Line action early Saturday Morn, from 4 am until about 6 am (no activity, not even locals) then slept for an hour and a half, but I was groggy all day anyhow. I worked two more Ca (more like Los Angeles) stations, Saturday Morning about 9:30. I tuned down to the CW band and heard some CW slow enough for me, but this new rig has 3.5mm jacks, and only a 1/4 to 3.5mm could be found.

Sat evening was better with 3 COs, and one each, NC, UT, and OK and one more CA.

I slept in on Sunday until 9:30, got coffee and turned on the rig. The band was open! So I worked 24 state side, mostly Midwest, and one DX – Argentina, all on two cups of coffee - well, . . . and a piece of toast. About noon it was all done, but I got one more CA about 1:45 PM.

In all, 16 multipliers: CA, CO, FL, GA, IA, IL, IN, KY, MN, NC, OH, OK, OR, UT, WI & DX (LU). It's amazing how many are only one or two contacts. Ca (10), WI (7), most others were states around WI but one contact per state.

It all added up to 1152 points according to ARRL's calculation. They also said I worked 6 hours, according to my submitted log. (I put in a little more time than that because I would go to the radio and listen or call CQ from time to time during the day.) I used N3FPJ's logging software during the contest, and then used it to generate the Cabrillo file.

Got lots of other stuff done for the Holidays. I did put the lights on the peak of the house while setting up the 10 meter vertical.

It was lucky I got the vertical up. But it was not (is not) tuned perfectly - SWR about 1.4:1. Curiously, early it was near 1:1 but down at about 27 MHz.

Took 2" off the radiator, trimmed the Radials to the same length, but still too long, but now the best anywhere near 10-11 Meters is 1.4:1. Baffling to me. Some combination of uneven radials and slightly too long radiator, result, 1:1 at 27 MHz???

OK, well that's my story and I'm sticking to it. Dale, WB6MMQ

So the ARRL 10 Meter contest site shows just two (2) log submittals for "Hughes ARC" one each for N6IET and WB6MMQ. For the "Gavel Competition" at least three (3) log are required, so we did not qualify as an entry for the Gavel.

Perhaps next year, but as Solar Cycle 25 increases, the competition will likely get a little stiffer, but then operating with a more active band is a bit more fun, so we'll see how it goes. With a little more planning, if one of us hears the band is opening, it could be announced on the Repeater, so that we can all take advantage.

My Scores for the 10 Meter contest over the last several years are as follows: 2015 – 5456 QSOs (3<sup>rd</sup> Plc LAX section); 2016 – 990 QSOs (1<sup>st</sup> Plc LAX & 6<sup>th</sup> Plc SW Division); 2017- 48 QSOs (4<sup>th</sup> Plc LAX, 10<sup>th</sup> Plc SW Division) So, if a few more get with it, that Gavel may not be that difficult to get. Find more details and Info [here](#).

Dale, WB6MMQ

### [Ray Miller 50/50 Race Support - DeBrief](#)

The Ray Miller 50/50 is three races on the same course w/staggered start times. They are a 50 Mile, 50 km and a 30 km. The Aid Stations (AS) are all several miles apart, so our support is to help check that all the runners are accounted for at each AS and finally, at the Finish.

This race was one of the best in terms of communication. All operators obviously took good notes of info on the net as the day progressed, and so there was very little traffic asking for info on runners that had dropped out of the race earlier in the day. Our NCS John, N6JLS, handled the 14 hour stint well; with Howard, KE6MAK & Mark, KD6TJU at Start-Finish and Shadowing the Director; Bill, KM6HVK & Tom, KJ6CLV covered 'hell hill' (a nasty uphill run); Ralph, AI6GP & Alice, KK6MFL took Danielson Ranch; Wayne, AF6GX & Michael, AJ6HW covered Yerba Buena, the 'Far Out' Turnaround for the 50 mile leg and both with equipment to do the job; Fireline Rd was staffed by Kevin, KD6NCA & Suzanne, KN6HVH, closer in, but in an RF hole – both did well; and Finally

Dale, WB6MMQ w/care & feeding of the repeater, W6HA, w/batteries & Solar Power – Good Sun after 12 Noon, or so. One runner required assistance, during the day. Good Race!

### [Nonprofit Status](#)

New is December is that Paul, KK6TAC, has filed the IRS 1023 form, which requests the IRS to make the "Nonprofit Determination" which requests the 501 (c)(3) Determination.

**From November:** (for those who may have missed it)

It has been an auspicious weekend for the Hughes Amateur Radio Club. As I started writing this column, I received an email indicating that the Secretary of State of the State of California has accepted our Articles of Incorporation and so, the "Birth Date" of the Hughes Amateur Radio Club, Inc. was on November 2, 2021.

**Curiously, that is exactly 74 years after the First and Only flight of the Hughes H-4 Hercules Flying Boat, aka the 'Spruce Goose'** for which we are planning a Special Radio Event, next year on or about November 2, 2022, the 75<sup>th</sup> anniversary of the flight. Serendipity, I guess!

So, a significant step is completed, but the work is not finished. The next significant step is getting a "Nonprofit Determination" from the IRS. This "Determination" is what is required to claim the 501 (c)(3) designation and allows donations to the club to be tax deductible to the donor. The final step is presenting that to the Franchise Tax Board, who generally accepts the IRS' ruling. When the FTB accepts the IRS ruling, then the Corporation is also relieved of California taxes. At that point we're pretty much "Home Free" of taxes.

Dale, WB6MMQ

Chair Nonprofit committee

### **[ARLX016 W1AW - QST de W1AW](#)** **Special Bulletin 16 ARLX016** **From ARRL Headquarters, December 3, 2021**

To all radio amateurs

### **W1AW Code Practice Text Sources Taken from February 1922 QST**

In commemoration of the **100th anniversary** of the **1st Transatlantic Test**, the code practice text material for the week of **December 6 through 10** originates from the **February 1922** issue of



**QST.** It was in this issue that the results of the Transatlantic Test were published.

The February 1922 QST text material may also be used for subsequent code practice transmissions. The text is taken from pages 14 to 18, 21 to 27, and pages 37 to 40 of this issue. The text files for each speed will soon be available for viewing online at, <https://www.arrl.org/code-practice-qst-source> .

Please see <http://arrl.org/transatlantic> for more details on the event.

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:	\$	184.00
Starting - Kitty for Mar 17, 2020 Mtg:	\$	184.00
<u>[Gain of \$30.25 - \$20.00 for room rent = Gain of 10.25]</u>		

**ARRL Letter - Excerpts of Possible Interest**

Sweden's SAQ VLF Alexanderson Alternator Station Schedules Christmas Eve Transmission

On December 24, SAQ in Grimeton, Sweden, is [scheduled to transmit](#) a Christmas message to the world, using the 97-year-old 200 kW Alexanderson alternator on 17.2 kHz CW. At 0730 UTC, a livestream will begin on [YouTube](#).

- Start-up and tuning of the Alexanderson alternator will begin at 0800 UTC.
- Transmissions will begin at 0800 UTC.
- Some test transmissions will take place on December 23 between 1200 UTC and 1600 UTC.
- SAQ will be on the air for shorter periods during this interval, when technicians will be carrying out some tests and measurements.



[Comments](#) and reports are welcome.

Amateur radio station SK6SAQ will be active on 3.535 MHz, 7.035 MHz, and 14.035 MHz CW, and on 3.755 MHz and 7.140 MHz SSB. Two stations will be on the air most of the time.

**Observations of Over-the-Horizon Radar Interference in Ham Bands Top All Others**

The volume of reports of over-the-horizon (OTH) radar interference from observers working with the International Amateur Radio Union ([IARU](#))



Region 1 Monitoring System (IARUMS) dwarfs that of all other interference sources, the [November IARUMS newsletter](#) reports. Nearly 800

OTH radars were observed during November alone, and the total number of reports for the year is more than 4,500 -- although that number likely includes multiple reports of the same OTH radar systems.

While the intruder watcher is focused on IARU Region 1, much of the major interference it recounts can affect the amateur bands in the world's other two IARU regions. IARUMS has tracked most OTH radar signals to sites in Russia and China, but a [recent report](#) indicated that India has an OTH radar system in the works. IARUMS is calling the system "of concern," although it's not known what frequencies it may use.

During November 17 - 21, IARUMS reported a "strange, somewhat washed-out signal" on the order of 7 kHz wide, that "drifted slowly back and forth" in 40 meters and below. Read [an expanded version](#).

**The K7RA Solar Update**

Tad Cook, K7RA, Seattle, reports: Sunspots disappeared over 4 days, December 8 - 11. Average daily sunspot numbers and solar flux hardly changed, with sunspots at 24.4 during the December 9 - 15 reporting week, as compared to 24.6 the previous week. Average daily solar flux shifted from 82.6 to 82.9, rising to 102.5 by Wednesday.



Geomagnetic activity was quiet. Average daily planetary A index changed from 7.6 - 5, & average daily middle latitude A index from 5.3 to 3.9.

One new sunspot group emerged on Dec. 12, two the following day, and two more on December 15.

Predicted solar flux over the next month looks good for this week, at 102 on December 16 - 18; 100 on December 19 - 21; 98 on December 22 - 23; 82 on December 24 - 27; 80 on December 28; 78 on December 29 - through January 3; then 80 on January 4 - 10; 82 on January 11, and 84 on Jan. 12 - 17. Flux values drop below 80 after January 24.

Predicted planetary A index is 8 on December 16 - 17; 5 on December 18 - 19; 8, 16, 12, and 8 on December 20 - 23; 5 on December 24 - 26; then 15, 18, and 12 on December 27 - 29; 8 on December 30 - January 1; 5 on January 2 - 8; 8 and 5 on January 9 - 10; 12, 10, 10, and 8 on January 11 - 14, and 5 on January 15 - 22.

Sunspot numbers for December 9 - 15 were 0, 0, 0, 12, 40, 40, and 79, with a mean of 24.4. The 10.7-centimeter flux was 76.7, 75.7, 76.2, 79.9, 80.6, 88.9, and 102.5, with a mean of 82.9. Estimated planetary A indices were 3, 4, 5, 3, 6, 5, and 9, with a mean of 5. Middle latitude A index was 2, 2, 3, 2, 6, 4, and 8, with a mean of 3.9.

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)

Dec. 18 - 19 -- ARRL EME T (CW, ph, dig)

Dec. 18 - 19 -- Croatian CW Contest

### **Dec. 19 -- ARRL Rookie Roundup, CW**

Dec. 19 - 20 -- Run for the Bacon QRP T(CW)

Dec. 22 -- SKCC Sprint (CW)

Dec. 22 -- NAQCC CW Sprint

Dec. 25 - 26 -- Gedebage CW Contest

Dec. 26 -- RAEM Contest (CW)

Dec. 26 -- DARC Christmas Contest (CW, phone)

December 30 -- YOTA Contest (CW, phone)

### **January 1 (UTC) -- Straight Key Night**

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](#).

[How Amateur Radio Fanatics Launched the World's First Private Communication Satellite](#) / *Inverse*, New York (December 12, 2021).

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

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

in the West or near members everywhere:

- **February 10 - 13, 2022 -- [2022 ARRL National Convention at Orlando HamCation®](#), Orlando, Florida**

- February 18 - 19, 2022 [ARRL Southwestern Division Convention](#) (Yuma Hamfest), Yuma, Az

Search the [ARRL Hamfest and Convention Database](#) to find events in your area..\_\_\_\_\_

## **In Brief...**

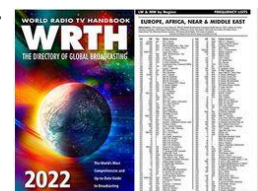
### **OF9X, OF2YOTA, and OI3AX are now on the air from the "Land of Santa Claus."**

Completing its centennial year, the Finnish Amateur Radio League (SRAL) will once again launch Santa (OF9X) and his elves (OF2YOTA) to greet the world on HF, CW, SSB, and FT8. These stations will greet operators with "59(9) SRAL." Working stations should reply with "59(9) MX" -- Merry Christmas. The OF9X operation is organized by the Radio Club of Pusula, OH9W, and supported by Radio Arcala, OH8X, while OF2YOTA is organized by the SRAL Youngsters on the Air team and supported by Radio Team Mustila, OH5Z. Contacts with OF9X, OF2YOTA, and OI3AX will count toward the SRAL Jubilee Award. QSL OF9X via OH2BH; OF2YOTA via OH5CZ, and OI3AX via OH2LGW. Additional award information is on the OF9X [QRZ.com profile](#).



The EI7GL blog [reports](#) that publication of the ***World Radio TV Handbook (WRTH)*** will cease with the current 76th edition.

For many years, the *WRTH* provided information about shortwave broadcast times and



frequencies, but the number of listeners has dwindled as broadcasting has shifted to the internet. In addition, information on international broadcasting schedules and frequencies is also available on the internet. In a statement, the publishers said, "Having produced this book for the past 24 years, we are very sorry to announce that *WRTH 2022* will be the final edition of *World Radio TV Handbook* produced and published by WRTH Publications. We realize that this news will be disappointing for many people. We wish to thank you all for your loyal support over the years. Good DX and Happy Listening."

### 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).

"The human side of every person is the greatest enemy of the average investor."... Jesse Livermore

### Announcements

- The United Nations Amateur Radio Club 4U1A has announced that the planned Santa Claus HF activity using 4U1XMAS has been canceled due to the pandemic. [Follow](#) 4U1A on Twitter.
- On New Year's Eve and New Year's Day, break out your straight key or bug to join in the fun of ARRL Straight Key Night ([SKN](#)). Straight Key Night is held every January 1, 0000 - 2359 UTC. Technician licensees have CW privileges on parts of 80, 40, and 15 meters. (That starts on Dec 31, 4:00 PST.)

- W8S DXpedition to Swains Island; sponsors have postponed the previously announced DXpedition.. Organizers say COVID-19 restrictions and a limited number of flights in the first quarter of 2022 have made travel extremely difficult. Also, two W8S team members are on the 3Y0J Bouvet Island DXpedition team set for November/ December 2022. "Our project has certainly not been canceled but postponed to the spring of 2023." 
- The London BBC Radio Group has been granted a year-long special event call sign, GB100BBC, to commemorate the centenary of the BBC in 2022. Operations will be carried out by individual members or groups from home stations or BBC premises. 
- 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.
- **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

[Old Town Music Hall](#), on Richmond, in E.S.

Coming attractions:

**Friday, December 31, 2021**

**Annual New Year's Eve Celebration**

**Ring in 2022 like it's 1922**

**Seats, \$25.00, includes Refreshments**

**Reserve ONLINE at: [OldTownMusicHall.org](http://OldTownMusicHall.org)**



**Select DX News** (QRV = Ready! or Are you Ready?)**ARLD050 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.

LESOTHO, 7P. Chris, ZS1CDG will be QRV as 7P8GOZ from **December 20 to 26**. Activity will be on 40 to 10M using FT8. QSL #1

OMAN, A4. Special event station A43QAT is QRV **until December 22** as part of celebrating Qatar's National Day. QSL #2

HUNGARY, HA. Special call HA21XMAS is QRV on all bands & modes until **Dec. 26**. QSL #2

THAILAND, HS. Brad, VK2BY is QRV as HS0ZNR from the Nam Yuen district **until January 21**. QSL #1

NETHERLANDS, PA. Special call PG44FF is QRV **until early 2022** as part of various Flora and Fauna park activations. QSL #1.

ST. KITTS AND NEVIS, V4. Victor, WB0AA will be QRV as V4/WB0AA from St. Kitts, IOTA NA-104, from December 22 to 29. Activity will be on 160 to 10 meters using CW and SSB. QSL#1

INDONESIA, YB. Special event stations 7B2C, 7B2E, 7B2T, 7B2H and 7B2O are QRV until the end of October 2022 to celebrate the Javanese-Hindu Ceto Temple that was built in 1475. Activity is on 80, 40, 20, 15 and 10 meters using SSB and FT8. QSL #1

BELGIUM, ON. Special event station OR95B is QRV **until the end of 2021** in celebration of the 95th anniversary of the Belgian National Railway Company. QSL via OR4K.

NETHERLANDS, PA. Hans, PA7HPH is QRV with special event callsign PC19VACCIN **until December 31** in support of current health campaigns. QSL #1

NORFOLK ISLAND, VK9N. Nick, VK2DX is QRV as VK9DX and has been active on 40 and 15 meters using CW. [**Listed Nov. 2021-ed**] QSL#1

NORFOLK ISLAND, VK9N. Nick, VK2DX is QRV as VK9DX and is active on 15 meters using CW around 1800z. [**Listed Nov. 2021-ed**] QSL #1

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.

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.

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 – till end 2021 - ed**] QSL #1

BELGIUM, ON. Special event stations ON75AF, ON75BAF and ON75BFS are QRV **until the end of 2021** to draw attention to the 75th anniversary of the Belgian Air Force. QSL #2

ARGENTINA, LU. Spcl Evnt Stn L21RCA is QRV until **Dec. 31, 2021** to celebrate the 100th anniversary of the Radio Club Argentina. QSL via LU4AA.

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.

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 YV200BC 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 Ortsver-band 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.

ANTARCTICA. Sebastian, SQ1SGB is QRV as VP8/SQ1SGB while working on the Halley Via Base until the end of **January 2022**. Activity is on 40 meters using SSB. QSL via EB7DX.

REPUBLIC OF KOREA, HL. Kang, DS4DRE is QRV as DS4DRE/4 from Komun Island, IOTA AS-060, until **Jan. 31, 2022**, on 80 - 10M using CW & ssb. QSL #1

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

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

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

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**

JAPAN, JA. Tashi, JR2TER is QRV as JR2TER/p from Yonaguni Island, IOTA AS-024, until **March 2022** on the HF bands using FT8. QSL via LoTW.

NAMIBIA, V5. Gunter, DK2WH is QRV as V51WH **until March 2022**. Activity is on the HF bands. During contests, he will be active as V55Y. QSL #1.

NAMIBIA, V5. Gunter, DK2WH is QRV as V51WH **until March 2022**. Activity is on the HF bands. During contests, he will be active as V55Y. QSL #1

THAILAND, HS. Lars, SM6NT will be QRV as HS0ZME from Hua Hin **until April 5, 2022**, on 40 to 10 meters using only CW. QSL #1

COLOMBIA, HK. Lothar, DK8LRF be QRV as HK3JCL **until end of May 2022**. Activity will be mainly on 20 meter SSB. QSL #9, #3

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.

JAPAN, JA. Members of the radio club in the city of Tama are QRV as 8N1TAMA until the **end of June 2022** to mark their city's 50th Anniversary. Activity is on 160m to 70 cm using CW, SSB & FM. QSL #3

GUINEA, 3X. Jean-Philippe, F1TMY, expects to be QRV as 3X2021 from Conakry **until end of 2022**. 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.

#### Until 2023

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.

#### 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 RMOL.

#### 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
9. QSL via Home Call Sign

**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>

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 2020. W1AW will transmit Qualifying Runs up to 16 times per month.  
 Time is PST: [10 – 35 wpm – **Bold 35, 40 – 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
Dec.	12/21	12/20		<b>12/22</b>	Christmas Eve			12/27					12/29 New Years Eve
Jan.		1/3	<b>1/4</b>	1/6	1/7	1/11	1/12		<b>1/13</b>				1/14 1/18
Jan	1/18		1/20	<b>1/19</b>		1/21		1/24	<b>1/26</b>	<b>1/27</b>	1/28		

**West Coast Qualifying Runs:**

Sat. Dec. 18 @ 2 PM PST (2200 UTC) by K6KPH on 3581.5, 7047.5, 14047.5, 18097.5 & 21067.5 kHz; 10 – 40 WPM  
 Wed Jan 26 @ 9 PM PST (0500 UTC on Jan 27) on 3590 & 7047.5 kHz by K9JM, **40 – 10 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.

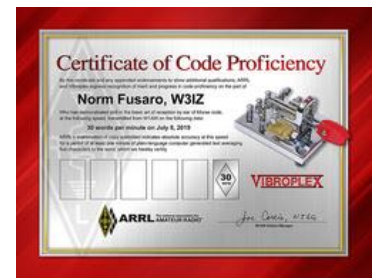
Audio from W1AW's CW code practices, CW/digital bulletins and phone bulletin is available using EchoLink via the W1AW Conference Server named "W1AWBDCT." The monthly W1AW Qualifying Runs are presented here, also. The audio (real-time) runs concurrently with W1AW's regular transmission schedule.

**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	AB6UI at AOL.com
<b>VICE PRESIDENT:</b>	Howard, KE6MAK	Karse1 at DSLextreme.com
<b>SECRETARY:</b>	Dale, WB6MMQ	WB6MMQ at ARRL.net
<b>TREASURER:</b>	Paul, KK6TAC	PAGeisel at Verizon.net
<b>STATION MANAGER:</b>	Michael, N6MHD	N6MHD at ARRL.net
<b>Immediate PAST PRES.:</b>	Vacant	
<b><u>Committees:</u></b>		
<b>NEWSLETTER EDITOR:</b>	Dale, WB6MMQ	WB6MMQ at ARRL.net
<b>QUARTERMASTER:</b>	Michael, N6MHD	N6MHD at ARRL.net
<b>WEB MASTER:</b>	Richard, KM6FP	RunFarr at Gmail.com
<b>MEMBERSHIP:</b>	Dale, WB6MMQ	WB6MMQ at ARRL.net
<b>SCRRBA REP:</b>	Ray, WA6NVL	WA6NVL at ARRL.net
<b>MEETING HOST:</b>	Dale, WB6MMQ	WB6MMQ at ARRL.net
<b>FoTL Conf. Rm. Coor:</b>	Judi, KI6TKT	
<b>FIELD DAY :</b>		
<b>MEMBERSHIP:</b>	Dale, WB6MMQ	WB6MMQ at ARRL.net
<b>NET COORDINATOR:</b>	Howard, KE6MAK	Karse1 at DSLextreme.com
<b>YAHOO GROUPS MOD:</b>	Richard KM6FP	RunFarr at Gmail.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 (0330 UTC Thursdays)**

**Thursdays, 12:05PM (2005 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 PT**

**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 end fed dipole. 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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