



The Transponder



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

February 11, 2022 Repeater 445.620 – PL 127.3 Website: (see last page) Vol. XLIX, No. 2

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

Where: Only Zoom in January (Conf. Room Unavailable)

Location: Zoom: Meeting ID: 817 1297 4188
Passcode: 160795

Meeting Notice: Date: Tuesday, February 15, 2022

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:

U-Tube Video – 2 Meter Moxon Antenna

Also, Info on an ARRL Kit to build a 2 Meter Moxon

Up Coming Events:

June 25, 26 - Field Day – Last full weekend in June

H-4 Hercules (Spruce Goose) Special Event (75th Anniversary of Flight, Article, Page 2)

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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) Next Month~~

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:**2022 Field Day - W6HA**

Hi, all - It's time to start thinking toward [Field Day 2022](#), June 25-26, 2022, always the last full weekend in June. Field Day is fun, informative, and a great way for new hams and new members to experience a range of amateur radio activities! We plan to use the Wilderness Park site this year. Last year's event at KHYC was downsized and was a lot of fun, setup/teardown was easy. We're thinking of doing a small version of Field Day again, with just the one BIG tower and the special band pass filters we have.

Pencil it on your calendar now.

73 de AB6UI, Brian

In-Person Meetings - The library has been allowing the meeting rooms to be reserved (masks required) for a three or four months now. For February, the room is not available. For March 15th (the third Tuesday in March.) we plan to be back in the "Friends Of The Library (FoTL) Conference Room. The El Segundo Library follows the County's rules and regulations. Hence, the mask is required to enter.

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

Meeting room Host Dale, WB6MMQ

Spruce Goose - On November 2nd 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 75th 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.

LOGO Contest - 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 club's contributions to furthering the art of ham radio.
- Submissions should be made no later than March 31st 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 : Feb/Mar **North American QSO Party, RTTY** **February 26, 27**

The North American QSO Parties are favorites of beginners and seasoned operators alike. The NAQPs are low-power only (no amplifiers allowed) which makes for a lot more breathing room on the bands. Small stations can generate very effective "runs" in the NAQP contests. Multipliers count once per-band, which makes for an exciting format, as multipliers can be "moved" from band to band. The NAQPs allow stations from all parts of North America to be in the running for the top spots. The 12 hour format allows participants to do some great contesting, yet still have time for other activities during the weekend [Rules](#)

ARRI International DX Contest, SSB

March 5-6, 2022, 0000 UTC Sat to 2359 UTC Sun.

Object: To encourage W/VE stations to expand knowledge of DX propagation on the HF and MF bands, improve operating skills, and improve station capability by creating a competition in which DX stations may only contact W/VE stations. March is Phone-only. Use only the 160, 80, 40, 20, 15, and 10 meter bands.

W/VE amateurs: Work as many DX stations in as many DXCC entities as possible.

DX stations: Work as many W/VE stations in as many of the 48 contiguous states and provinces as possible. [Rules](#)

Sean O'Brian 50/50 Race

The Club's support of the Sean O'Brien 50-50 Race was successful – All Runners accounted for! One slow runner seemed to be missing. The runner may have been missed at an aid station, and being a slow runner, seemed not to have been observed for

quite a while, but finally did show up. Another runner had a twisted ankle but after a short rest and some aid station care, continued in the race. One person developed a knee problem, dropped out and was transported back to Start-Finish (S-F). As the day progressed, some runners missed their Cut-Off time and were DNF.

Communication was via the club repeater and the backup Castro Peak DCS Repeater. The Club's portable machine was solid to S-F, NCS, Corral Canyon, Bulldog, and also Zuma Ridge/ Encinal Rd after they threw a line over a tree branch and pulled up a rollup J-Pole antenna.

Kanan Dume had some difficulty with the repeater and so, used Castro Peak for most of their reporting. Bonsall is in an RF hole, so to speak. They could copy the Club's portable machine, but not bring it up. There were two operators each with a capable station.

One station ran 75 watts into a Collinear vertical (Tram 1480) and a second ran 50 watts into a vertically polarized 4 element Yagi. This station did find the sweet spot for reception, but neither station could bring up the repeater.

The last station, at Bonsall, that could bring up the repeater, used 50 watts into a vertically polarized 5 element Elk LPA at about 15 ft. This is roughly equivalent to station #2 above, so possibly the repeater, its antenna or coax is causing it to be a little less sensitive than in previous years.

The 14 operators were: NCS, John, N6JLS; Bill, KM6HVK; Howard, KE6MAK; Todd, KJ6DGG; Ralph, AI6GP; Michael, AJ6HW; Kevin, KD6NCA; Nick, KN6MGR; Tom, KJ6CLV; Edsel, W6DSE; Brian, AB6UI; Mark, KD6TJU, Norm, K6UU; Howard, KE6MAK; and Dale, WB6MMQ, at the Repeater.

A Big Thank You to all for a **Job Well Done!**

Dale, WB6MMQ

Race Coordinator, Hughes ARC

Nonprofit Status

February: We are waiting for the wheels of Government to turn. An administrative form (SI-100) was filled with the California Secretary of State, on January 6th providing information on the officers of the Corporation. We are waiting on a Certified Return copy which was requested and paid for.

On December 30, 2021, Paul, KK6TAC, filed the IRS 1023 form, which requests the IRS to make the

“Nonprofit Determination.” We are waiting on their response. In January of 2022 the IRS was processing forms received in Oct. of 2021; now in February 2022, they are processing forms received in Nov. of 2021. I guess that's progress.

Dale, WB6MMQ

Chair Nonprofit committee

ARLX016 Special Bulletin #16

QST de W1AW December 3, 2021

W1AW Code Practice Text is Taken from February 1922 QST

To all radio amateurs:

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.

ARRL Letter - Excerpts of Possible Interest **Dayton Hamvention Looks to Be a Go for 2022**

Hams and vendors hoping to attend Dayton Hamvention® 2022 have been asking what, if any, COVID-19 regulations will be in place at the event. Hamvention management says it's monitoring the situation closely. Hamvention General Chairman Rick Allnutt, WS8G, issued a statement:

"We strongly anticipate that Hamvention 2022 is a go. We cannot guarantee what government may decide about unknown changes in the pandemic. It has become obvious that the State of Ohio is very unlikely to call a halt to large gatherings anytime soon.

Despite a recent large spike in [Omicron-variant] COVID

cases and hospitalizations, there is no move to restrict large indoor or outdoor events such as sports events," Allnutt said.



Allnutt added that he anticipates that the official state guidance may be to recommend -- not require -- face masks and social distancing, but does not expect to be checking attendees' vaccination status on site. Hamvention will support state guidance.

Some have asked whether COVID-19 testing will be available at Hamvention. At this time, there are no plans to have testing on site. Updates on Hamvention and COVID-19 regulations related to the event will be posted on the [Hamvention website](#).

Hamvention, an ARRL-sanctioned event, will be held May 20 - 22, at the Greene County Fairgrounds and Expo Center in Xenia, Ohio.

Some New Rules Going into Effect this Year for ARRL Field Day

After taking a few detours over the past couple of years due to the COVID-19 pandemic, [ARRL Field Day](#) rules are being updated on a permanent basis starting this summer. ARRL conducted a Field Day community survey with invitations propagated far and wide, and direct emails sent to more than 15,000 individuals and ARRL-affiliated clubs. After sorting through, reviewing, and discussing the survey results, the ARRL Programs and Services Committee recommended a number of rule changes for ARRL Field Day, which will take place this year over the **June 25 - 26 weekend**.

Starting this year, the maximum PEP output for a transmitter used by anyone submitting a Field Day log will be 100 W. The power multiplier of 2 will remain in place, and the high-power category will be removed from the rules. Until this year, the maximum low-power limit had been 150 W for most ARRL-sponsored operating events. The power multiplier will remain at 5 for QRP participants running a maximum of 5 W or less. As previously announced, 100 W is now the low-power category limit for all ARRL and IARU HF Contests, effective January 1, 2022.

A couple of changes instituted initially as accommodations for the COVID-19 pandemic will remain. Class D (Home) stations will continue to be able to earn points for contacts with other Class D stations. The club aggregate scoring change initiated in 2020 as a temporary measure will

become part of the permanent rules. In the aggregate scoring plan, the scores of individual stations are combined under the score of a single club.

Another change, involving Rule 7.3.2 Media Publicity, has been modified. Rules to date have offered 100 bonus points for attempting to obtain publicity and demonstrating same. With the ease of posting via Facebook, Twitter, Instagram, and various other media websites, Field Day participants will now be required to obtain publicity, not just try to do so. Any combination of bona fide media hits would qualify for the bonus points. For example, posting the details of your upcoming or ongoing Field Day activity, or your Field Day results, on a club or news media site, on Facebook, or via Twitter and Instagram would meet the bonus criteria. Photos and videos are encouraged as part of media posts.

APRS Developer Bob Bruninga, WB4APR, SK

The father of the Automatic Packet Reporting System ([APRS](#)), Bob Bruninga, WB4APR, of Glen Burnie, Maryland, died on February 7. An ARRL Life Member, Bruninga was 73. According to his daughter, Bruninga succumbed to cancer ... diagnosis in 2020.



While best known for APRS, Bruninga, a retired US Naval Academy senior research engineer, had an abiding interest in alternative power sources, such as solar power. In 2018, he authored *Energy Choices for the Radio Amateur*, published by ARRL,

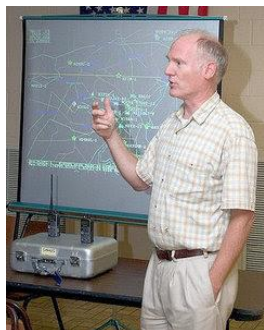
What became APRS had its origins in 1982, when Bruninga wrote his first data map program that



plotted the positions of US Navy ships for the Apple II platform. A couple of years later, he developed what he called the Connectionless Emergency Traffic System (CETS) on the VIC-20 and C-64 platforms for digital packet communications to support an endurance race. The program was ported to the IBM PC platform in 1988 and was renamed APRS in 1992. The recognized North

American APRS frequency is 144.39 MHz and APRS is linked globally via the internet. Bruninga founded the Appalachian Trail Golden Packet event, which fields APRS nodes from Stone Mountain in Georgia to Mount Katahdin in Maine each July.

ARRL Contributing Editor Ward Silver, N0AX, remembered Bruninga this way: "Bob kept pushing APRS beyond its origins as a position reporting system. He developed and helped implement numerous other uses of APRS in support of what has become the 'Ham Radio of Things,' with great potential for future amateur radio applications. Bob's far-reaching vision and imagination were as good as it gets."



Bruninga mentored US Naval Academy midshipmen in building and launching amateur radio satellites and CubeSats, beginning with PCSat in 2001. PCSat was the first satellite to report its precise position directly to users via its onboard GPS module. Subsequent USNA spacecraft included PSK-31 capability (HF to UHF) and other innovations.

Amateur Radio on the International Space Station (ARISS) ARRL liaison Rosalie White, K1STO, recalled that Bruninga attended many ARISS-International meetings and contributed "enormously" to ARISS APRS activities, leading a team in developing protocols and software for rapid message exchange via a packet "Robot."

Last year, ARRL CEO David Minster, NA2AA, on behalf of ARRL, honored Bruninga with a brick in ARRL's Diamond Club Terrace at ARRL Headquarters. Read [an expanded version](#).

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Three new sunspot groups appeared this week, on February 3, 6, and 8. Average daily sunspot number rose slightly from 81.3 last week to 83.9 in this reporting week, February 3 - 9.

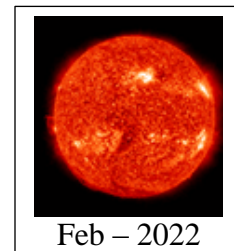
Average daily solar flux increased modestly, from 123.1 to 126.

Solar flares and geomagnetic storms throughout the week raised the average daily planetary A index

from 10.1 to 14.4, and the middle latitude A index, measured at one location in Virginia, went from 6.4 to 9.6.

A geomagnetic storm on February 4 brought down 40 of the low-Earth orbit Starlink satellites, even though the storm was not especially robust. But from February 3 - 4, the high latitude college A index measured near Fairbanks, Alaska, was 48 and 61, a level that assures the appearance of aurora borealis.

So far, sunspots were visible every day in 2022. Last year, 64 days had no sunspots, & in 2020, 208 were spotless, according to Spaceweather.com.



Predicted solar flux values for the near term are 120, 118, 110, 115, 118, and 112 on February 10 - 15; 115 on February 16 - 19; 118 on February 20; 120 on February 21 - 23; 125 on February 24 - 25; 120 on February 26 - March 4; 115 and 122 on March 5 - 6; 120 on March 7 - 9; 110 on March 10 - 11, and 115 on March 12 - 18.

Predicted planetary A index is 25, 20, 12, 18, and 25 on February 10 - 14; 20, 12, 10, 12, and 8 on February 15 - 19; 5, 10, 8, 5, 8, and 12 on February 20 - 25; 8 on February 26 - 27; 5 on February 28 - March 2; 12, 10, 15, and 10 on March 3 - 6; 5 on March 7 - 11; 25 and 20 on March 12 - 13; 5 on March 14 - 15, and 10 and 12 on March 16 - 17.

Here are [some images](#) of recent sunspot regions.

Sunspot numbers for February 3 - 9 were 84, 87, 91, 83, 78, 86, and 78, with a mean of 81.3. The 10.7-centimeter flux was 126.5, 129.6, 125.9, 123.6, 127.2, 123.1, and 125.9, with a mean of 123.1. Estimated planetary A indices were 27, 32, 12, 15, 7, 5, and 3, with a mean of 10.1. Middle latitude A index was 18, 18, 10, 12, 4, 3, and 2, with a mean of 6.4.

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)

Feb 12 - 13 -- CQ World Wide RTTY WPX T

Feb 12 - 13 -- Dutch PACC Contest (CW, ph)

Feb 12 -13 -- SKCC Weekend Sprintathon (CW)

Feb 12 - 13 -- KCJ Topband Contest (CW)

Feb 12 - 14 -- YLRL YL-OM Contest (CW, ph, dig)

Feb 12 -13 -- OMISS QSO Party (Ph)

Feb 12 - 13 -- AWA Amplitude Modulation QSO P

Feb 13 -- Balkan HF Contest (CW, ph)

Feb 14 -- PODXS 070 Club Valentine Sprint (Dig)

Feb 14 -- CQC Winter QSO Party (CW)

Feb 14 -- OK1WC Memorial (MWC) (CW)

Feb 14 - 4 State QRP Group 2nd Sunday (CW, ph)

Feb 14 - 18 -- ARRL Schl Club Rndup (CW, ph, dig)

Feb 16 -- AGCW Semi-Automatic Key Evening (CW)

Feb 16 - RSGB 80-Meter Club Championship, Data

Feb 17 - 18 -- - Walk 4 Bacon QRP Contest (CW<13)**Feb 19 - 20 -- ARRL International DX Contest (CW)**Mar 3, 4 -- Walk for the Bacon – 40 metersMar 16 - 18 – St. Patrick's Day Award

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 make contacts in global winter training](#)" / NBC Montana (Montana) February 6, 2022.
- "[Freeport ham radio operator gets thrill from being part of airwaves](#)" / *Journal-Standard* (Illinois) February 1, 2022
- "[Youlou Radio Movement hosts second 'Summit on the Air'](#)" / *Searchlight* (St. Vincent and the Grenadines) February 1, 2022
- "[Telling Alaska's Story: John Bury talks about 67 years as a ham radio operator](#)" / Alaska's News Source (Alaska) January 31, 2022
- "[Gainesville residents demonstrate how to use ham radios in case of severe emergency situations](#)" / WCJB-TV (Florida) January 29, 2022

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

ARRL Section, State and Division Conventions / Hamfest

in the West or near members anywhere:

Feb. 18 - 19, 2022 ARRL Southwestern Division Convention (Yuma Hamfest), Yuma, Az

Mar. 19 - [ARRL West Texas Section Convention](#) (66th Yrly St. Patrick's Day Hamfest), Midland, Tx

Mar. 19 -- [ARRL West Virginia Section Convention](#) (Charleston Area Hamfest), Charleston, West Va

Mar. 27 -- [ARRL Virginia Section Convention](#) (Winterfest), Annandale, Va

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

In Brief...

The 2022 running of the popular International DX Convention (IDXC) in Visalia, California, has been cancelled.

IDXC Co-chairs Bill

Kendrick, N6RV, and Mel

Hughes, K6SY, posted this

announcement on the IDXC

website: "It is with regret that

the 2022 International DX Convention in Visalia, California, has been cancelled. The convention committee of the Southern California DX Club acted in response to the current [COVID-19] virus threat. We look forward to 2023. Those who had hotel reservations, please contact the hotel to ensure they are cancelled. Note: EVERYONE WHO HAS HOTEL RESERVATIONS, it is your responsibility to cancel your reservation as soon as possible, so that the hotels can resell their rooms."

Announcements

- The [EZNEC](#) antenna-modelling software by Roy Lewallen W7EL, is now a free download.
- February 13 is World Radio Day, proclaimed in 2011 by the member states of UNESCO and adopted by the UN General Assembly in 2012.
- The Chinese Radio Amateurs Club ([CRAC](#)) [has announced](#) that Beijing 2022 Olympic and Paralympic Winter Games special event station BY1CRA/WO22 is now active on FT8, SSB, and CW on 160 - 10 meters and will operate until the games close. Contact awards are available. A [log](#) is posted to Club Log. --



Thanks to Southgate Amateur Radio News via CRAC.

- Registration is open for the 67th [Pacific Northwest DX Convention](#), set for August 5 - 7 in Spokane, Washington. The 2022 event will emphasize DXing, contesting, and technology.
- Organizers of the Saint Patrick's Day Award have announced [a new web page](#) that provides full information on this amateur radio award. The site includes the simple registration form to be completed by all participants in this year's festivities, March 16 - 18.
- Rol Anders, K3RA, will conduct an Amateur Extra-class licensing course on Zoom, January 20 - March 31. The course is sponsored by the National Electronics Museum. [Contact](#) Anders for more details.
- [PA22L](#) is the commemorative call sign recognizing the city of Leiden as the European City of Science. Leiden is hosting a year-long science festival.
- [4A90FMRE](#) is on the air to mark the 90th anniversary of the Federacion Mexicana de Radio Experimentadores. Operation is taking place from all 31 Mexican states plus Mexico City.
- W8S DXpedition to Swains Island; sponsors have postponed the previously announced DXpedition. "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.
- **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

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	\$ 45.25
Income:	Lunch:	\$108.75	\$154.00
	Recycling: 7/17/21	30.00	\$184.00
<u>Room Rent-To General Funds:</u>	<u>\$00.00</u>	<u>\$184.00</u>	
	Starting - Kitty for Dec 21, 2021 Mtg:	\$184.00	
	<u>[Gain of \$30.25 - \$20.00 for room rent = Gain of 10.25]</u>		

Lunch Kitty Financials – for Dec., 2021

Attendance: 11

	Starting Lunch Kitty:	\$	184.00
Expenses:	Pizza(1) & Salads	\$54.00	
	Drinks: Soda: 5 @ 0.400 =	\$2.00	
	Water 1 @ 0.25 =	\$0.25	
	Food Total:	\$56.25	\$128.75
Income:	Lunch:	\$82.25	\$211.00
	Recycling: 7/17/21	00.00	\$211.00
<u>Room Rent-To General Funds:</u>	<u>\$00.00</u>	<u>\$211.00</u>	
	Starting - Kitty for Feb 15, 2022 Mtg:	\$211.00	
	<u>[Gain of \$27.00 - \$20.00 for room rent = Gain of \$7.00]</u>		

Old Town Music Hall, on Richmond, in E.S.

Coming attractions: **Mat: 2:30, Eve: 7:00 PM**

Feb. 12 – Gentlemen Prefer Blondes – Marilyn

Feb 19 – Only Angels Have Wings – Cary Grant

Feb 26, Mat – Steamboat Bill Jr. -Buster Keaton

Feb 26, Eve – The Gold Rush –Charlie Chaplin

Mar 5, 6 – Breakfast at Tiffany’s – A. Hepburn

Mar 19 – Girl Crazy – Judy Garland, Mickey Rooney

Reserve ONLINE at: OldTownMusicHall.org

Select DX News (QRV = Ready! or Are you Ready?)**ARLD006 DX news**

This week's bulletin was made possible with information provided by AD8J, W2GD, The Daily DX, the OPDX Bulletin, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM websites. Thanks to all.

MALDIVES, 8Q. Karel, OK2WM and Vlad, OK2WX will be QRV as 8Q7WM and 8Q7WX, respectively, from February 13 to **March 8**. They will be QRV on 160, 80 and 40 M using mainly CW. QSL #1

CHINA, BY. Members of Chinese Radio Amateurs Club station BY1CRA are QRV with special event station BY1CRA/WO22 during the 2022 Winter Olympics and Paralympics. QSL #2

CAPE VERDE, D4. Rob, DM4AO will be QRV as D44AO from **February 13 to 25**. Activity will be holiday style on 80 to 10 meters, and possibly 160 meters, using mostly CW. This includes being an entry in the upcoming ARRL International DX CW contest. QSL #1

ANTARCTICA. Sergiy, UT9UX is QRV as EM1U from Base Vernadsky on Galindez Island in the Biscoe Islands, IOTA AN-006, **until midApril**. Activity is on HF bands. QSL via UT7UA.

ECUADOR, HC. John, N9EAJ is QRV as HC1FIT from a mountaintop location near the city of Otavalo in the Imbabura Province of Ecuador **until February 24**. Activity is on 40 to 10 meters using SSB with some slow CW. QSL #1

HONDURAS, HR. John, AD8J will be QRV as HR9/AD8J from Guanaja Island, IOTA NA-057, from **February 12 to 26**. Activity will be on 80 to 10M, including the newer bands, using CW, some SSB, and FT8. This includes being an entry in the upcoming ARRL International DX CW contest. QSL via LoTW.

SAUDI ARABIA, HZ. Members of the Saudi Amateur Radio Society are QRV as 7Z3FD, 8Z3FD, and HZ3FD to celebrate Saudi Founding Day. QSL via ClubLog.

ITALY, I. Operators of the UN Global Service Center ARC are QRV with special call sign 4U13FEB **until the end of February** to support World Radio Day. QSL via 9A2AA.

OGASAWARA, JD1. Sam, JE1XUZ will be QRV

as JE1XUZ/JD1 from Chichijima, IOTA AS-031, from **February 12 to 15**. Activity will be in his spare time on the HF bands using CW, SSB, and FT8. QSL via LoTW.

ARUBA, P4. John, W2GD will be QRV as P44W from **February 14 to 21**. Activity will be as time permits on the HF bands, with an emphasis on the newer bands. This includes being a Single Op/All Band, possibly Low Power entry in the upcoming ARRL International DX CW contest. QSL direct to N2MM.

SEYCHELLES, S7. Amir, 4X6TT is QRV as S79/4X6TT from Mahe Island, IOTA AF-024, on the HF bands, with particular interest given to 30, 17, and 12 meters. His length of stay is **unknown**. [listed Feb.2022-ed] QSL via N4GNR.

ST. KITTS AND NEVIS, V4. Bill, W3UL is QRV as V47UM from Nevis, IOTA NA-014. Activity is on the HF bands. He will be active part time in the CQ World Wide RTTY WPX Contest. This also includes being active in the upcoming ARRL International DX CW contest. QSL #1

MARSHALL ISLANDS, V7. JT, KD7ADI is QRV as V7/KD7ADI. Activity is in his spare time on 40 and 20M using FT8. [listed Feb. '22 – ed] QSL via LoTW.

KOSOVO, Z6. Rene, DL2JRM is QRV as Z66BCC from Gjilan and will be active in the **CQ World Wide WPX RTTY** contest. QSL #1

SOUTH SUDAN, Z8. Diya, YI1DZ is QRV as Z81D while on work assignment with the UN-WFP. Activity is on 80 to 10M, including 60 meters, & maybe 160M using SSB and FT8. [listed Feb. '22 – ed] QSL via OM3JW.

ALBANIA, ZA. Fred, OE8NDR is QRV as ZA/OE8NDR and has been active on 20M using SSB around 0930 to 1000z. His length of stay is **unknown**[listed Feb. '22 – ed]. QSL #1

MAURITIUS, 3B8. Ray, F5UKV will be QRV as 3B8HH **beginning around January 20**. Activity will be on 80 to 2m, and possibly 160m, using CW & SSB. He will also use PSK & RTTY QSL via bureau.

MONTSERRAT, VP2M. Thaire, W2APF will be QRV as VP2MDX from **January 9 to February 18**. Activity will be holiday style on 80 to 6 meters using CW and SSB. QSL to home call.

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. 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

MEXICO, XE. In celebration of the 90th anniversary of the FMRE, look for a number of stations to be using the 4A90 prefix until the end of March 2022. QSL #2

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

Long Term (more than 1 month)

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

FEDERAL REPUBLIC OF GERMANY, DA. Special event station DM60CSJ is QRV until July 31, '22 to celebrate the 60th anniversary of Club Station Jesewitz. QSL via bureau.

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

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.

MEXICO, XE. Zalo, XE3N is QRV as 6F6F during 2022 to celebrate the 120th anniversary of Playa del Carmen City, Quintana Roo. QSL via EA5GL.

SWEDEN, SM. Members of the Skoevde Amateur Radio Club are QRV with special call SK50EI during 2022 to celebrate the club's 50th anniversary. QSL via bureau.

SWITZERLAND, HB. Members of USKA Schaffhausen are QRV with special event station HB50SH during 2022 to celebrate the club's 50th anniversary. QSL via LoTW.

TURKEY, TA. Members of the Turkish Amateur Radio Association are QRV with special call sign TC60TRAC during all of 2022 to celebrate the club's 60th anniversary. QSL via the bureau.

NORWAY, LA. Special event station LA100B is QRV during 2022 to celebrate NRRL's Bergensgruppen 100th anniversary. QSL via LoTW only.

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) [Activated, as of Feb. 26]

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 or 310-544-2917

Asst. Section Manager: Mark Chung, KK6SMD

mchung@prodigy.net

LAX Section Traffic Mngr: Kate Hutton, K6HTN

For Radiogram formatting instructions go to

www.ARRLLAX.org .

RF Safety – Power Density Web site:

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)

Monitor -**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, 21 – Brian, AB6UI (President)

How To: **Wires-X** can be found at 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



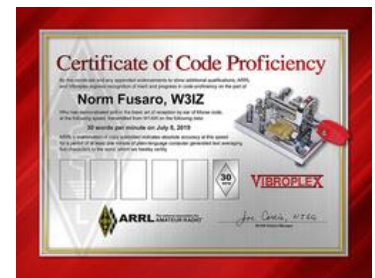
Frequencies (MHz)

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]

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
Feb	2/15		2/17	2/16		2/18		2/22		2/24	2/25		
Mar		3/2	3/1	3/3	3/4	3/7	3/9		3/10			3/11	
Mar	3/15		3/14	3/16		3/18		3/28		3/31	3/29		3/30

West Coast Qualifying Runs:

Wed Feb 23 @ 6 PM HST (0400 UTC Feb 4th) on 7047.5 & 14047.5 kHz by KH6TU – 10 - 40 wpm
 Sat Mar 26 @ 2 PM PDT (2100 UTC) on 3581.5, 7047.5, 14047.5, 18097.5 & 21067.5 kHz by K6KPH – 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/
 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.

July 1, 2021 – June 30, 2022 CLUB OFFICERS**Elected Officers:**

PRESIDENT:	Brian, AB6UI	AB6UI at AOL.com
VICE PRESIDENT:	Howard, KE6MAK	Karse1 at DSLextreme.com
SECRETARY:	Dale, WB6MMQ	WB6MMQ at ARRL.net
TREASURER:	Paul, KK6TAC	PAGeisel at Verizon.net
STATION MANAGER:	Michael, N6MHD	N6MHD at ARRL.net
Immediate PAST PRES.:	Vacant	
<u>Committees:</u>		
NEWSLETTER EDITOR:	Dale, WB6MMQ	WB6MMQ at ARRL.net
QUARTERMASTER:	Michael, N6MHD	N6MHD at ARRL.net
WEB MASTER:	Richard, KM6FP	RunFarr at Gmail.com
MEMBERSHIP:	Dale, WB6MMQ	WB6MMQ at ARRL.net
SCRRBA REP:	Ray, WA6NVL	WA6NVL at ARRL.net
MEETING HOST:	Dale, WB6MMQ	WB6MMQ at ARRL.net
FoTL Conf. Rm. Coor:		
FIELD DAY :		
MEMBERSHIP:	Dale, WB6MMQ	WB6MMQ at ARRL.net
NET COORDINATOR:	Howard, KE6MAK	Karse1 at DSLextreme.com
YAHOO GROUPS MOD:	Richard KM6FP	RunFarr at Gmail.com (http://groups.yahoo.com/w6ha)
CLASS MODERATOR:		

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: 1st 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-19 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 DGBirmingham (at) Gmail (dot) com. If anyone needs a club application, please contact Membership Chair: 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: www.W6HA.org (Usable, but incomplete at this time.)

The Hughes Amateur Radio Club is a California Nonprofit, Public Benefit Corporation and 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. *This program is not sponsored by the El Segundo Public Library*
