



# The Transponder



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

March 12, 2022

Repeater 445.620 – PL 127.3

Website: W6HA.org

Vol. XLIX, No. 3

**\*\*\* CLUB MEETING In-Person \*\*\***

**Where:** El Segundo Library, FoTL Conference Room & on Zoom

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

**Meeting Notice:** Date: Tuesday, March 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:**

(Demystifying) **Universal Antenna Tuner**

By Neil Blaho, AA3EO

Brief QRZ Bio: Neil was born in 1959, is an Extra Class Licensee, living in PA

**Up Coming Events:**

**Build it Day-In The Park** – *A Moxon & End-Fed HF Antenna – 40 – 10M - See Page 2*

**May 13,14 – SAMO-100** – [Santa Monica Mountains](#) 100 Mile Foot Race – Article Page 4

**June 25, 26 - Field Day** – Last full weekend in June – **Wilderness Park Redondo Beach**

**Nov. '22 - Spruce Goose (H-4 Hercules) Special Event** (75<sup>th</sup> 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)** Emergency Communication Teams (ECT)

**New: Week day Mornings 7:55 to 8:15** AEA ARCs (Aerospace) (AARC) Emergency Preparedness net (Temp)

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

Club News:**Special Notice - W6HA Repeater Use by AeroSpace ARC (AARC) Morning Net**

Early this week the El Segundo Amateur Radio Group's (ESARG) repeater, WB6VMV went off-line.

The Hughes ARC's repeater, W6HA, is being made available for The AEA (Aerospace) Amateur Radio Club's (AARC) Morning Emergency Preparedness net which takes place: **Every Weekday, from 7:55 am, to about 8:15 am.**

This will be in effect until the ESARG's machine is restored to operation.

The Hughes ARC members are asked to provide a Clear Channel for the AARC's net.

Dale, WB6MMQ  
Secretary, Hughes ARC

**Presidents Corner:****USS Midway Aircraft Carrier Museum (NI6IW)**

CQ to all hams, It's that time again ....

**Saturday, March 12, 2022 (0900-1600 PST)...** USS Midway Aircraft Carrier Museum (NI6IW) will be active, commemorating the launch of the USS Midway on March 20, 1945, commissioned on Sept 10th and underway on Oct 12, 1945

NI6IW will be utilizing the PAPA System for D-Star Operations from 9am to 4pm PST, which is 1700 to 2400 UTC on the following PAPA repeaters:

Reflector 012A & PAPA D-STAR repeaters

MIDWAY NI6IW will be operating on or near its normal HF frequencies of 7.250 MHz LSB, 14.320 MHz USB AND 070 PSK31 frequencies (check spotting networks for the most current information). MIDWAY NI6IW also will be operating VHF/UHF specifically seeking contacts within the PAPA System SOCAL area on PAPA repeaters at the following times PDT:

Analog FM PAPA10 Mt. Palomar.

Morning Hours: 0900

Afternoon Hours: 1300

All other operations will be primarily on D-STAR REF012A, then shifting at various times to other reflectors.

If you miss us on REF012A please check <https://www.dstarusers.org/> for our call NI6IW and "Reporting Node" to see what Reflector we may be using and catch up with us there. We will QSY to various reflectors to maximize QSO's throughout the event.

ZDK (Repeat)...Midway will be operating from:

PAPA Analog; All linked repeaters

Look for NI6IW on HF: 7.250 LSB; 14.320 USB; 14.070 PSK31; CW - Various Frequencies.

If you have worked NI6IW before, you will recall the operators rotate through the above repeaters for contacts.

QSL Info: USS Midway CV-41 COMEDTRA  
NI6IW, 901 N Harbor Dr, San Diego, CA 92101.

73 de AB6UI, Brian  
President, Hughes ARC

**MOXON - Build it!- Day In The Park**

When: **On Saturday, April 2, 2022,**

Time: **1:00 until 3:00 PM.**

Where: **Meet at the Raytheon Employee's Park**

[The entrance is just east of the intersection of PCH (aka Sepulveda) and El Segundo Blvd.

Going east from the intersection, turn right at the first opportunity.]

There will be Guard Shack:

Show a **Picture Id (Driver's License)** and Say, **"You're Meeting a Group in the Park."**

As you pull past the Kiosk, Go Right

(It's **One Way**, so there is No choice and it's 3 lanes wide).

You will immediately see the Park on your Right, first tennis courts. Drive as far as the Walk-In Entrance that you'll see on the Right.

But then turn **Left- And Park** in the Lot on the **Left** (Large Lot). (If you pass the flagpole, and 9-11 Memorial, on your right, you've gone too far.)

It's 100 to 150 Yards to the tables, so if you have anything significant to carry, a small cart is a good Idea.

Howard and I would like to know how many are coming. I have PVC parts for three (3) MOXONS, at reduced cost, BUT, call or Email, if you're counting on parts from me -my **parts are limited.**

The 3/4" crosses can be hard to find, [1/2" crosses, no problem] but I found 4 @ \$4.00 each.

The club has excess RG-58 Coax, and I have an excess amount of various wire gages – No Call or Email necessary to reserve coax (10') or wire, there's lots of it - BUT, only a reasonable quantity to build these projects will be supplied.

*[For Non-Members, for Free stuff, a small donation to the Club is appropriate.]*

Let Howard, or both of us, know that you're coming. See the Attachment or [www.W6HA.org](http://www.W6HA.org) for More Detailed info.

Last minute Add: President, Brian, AB6UI, may Demo how to use the digital (C4FM) facilities of our New Yaesu Repeater

Dale, WB6MMQ, Secretary, Hughes ARC  
[DGBirmingham@gmail.com](mailto:DGBirmingham@gmail.com), Text: 213-285-9407  
Howard, KE6MAK, Vice President, Hughes ARC,  
[karse1@dslextreme.com](mailto:karse1@dslextreme.com)

## **2022 Field Day - W6HA – June**

### **Pine Campground at Redondo Beach's**

**Wilderness Park** is indeed Secured according to our fearless leader, President, Brian, AB6UI. The usual activity, Usually actually starts the Thursday before the weekend, to bring our 55 foot portable tower to the park, shortly before it closes on Thursday afternoon, 4:00 PM to avoid other park visitors. We would be legal by FD rules after 4:00 PM (0000 UTC Friday). The idea is to do this when there is a minimal number of visitors at the park for safety reasons. The more important FD rule is that you may only use 24 of the 42 hours before the start to setup. So after the Portable Tower is moved to the pad in Pine Camp Ground and secured, we do nothing more until Friday morning, 14 or 15 hours later. Then we setup during the day on Friday, but knock-off about 7 or 8 PM. There are usually some last minute things to do Saturday morning and the Operating period (some say contest period) begins at 11:00 AM (1800z).

**Station Captains:** Some board members tentatively took some Station Captain positions. But, if this a desirement of yours, let us know. Our usual set of stations is:

1. 80/15 Meter station in MMQs Big Blue tent – Dale, WB6MMQ Captain, “but, at 77 years young, I’ll need help, setting up and operating.”
2. 20 Meters, Richard, KM6FP;
3. Up for grabs is 40/10 Meters and 10 meters is starting to pick up. Check the solar report.

4. VHF, Howard, KE6MAK, has tentatively said he will organize VHF, but is open to letting someone else have it so he can help me at the 80/15 meter station which I am very happy to share.

5. Usually we also have a GOTA (Get-On-The-Air) Station.

6. Information / Talk-in Table offers public contact with other campers at Wilderness Park. Setup tasks on Friday are: Assembling the tri-band beam and mounting it on the tower; running power cords to the generator in the maintenance yard (100+ feet away, 200' to 40m and 300' to VHF) and running the E-Net cables for logging computers, not to mention setting up tents, EZe-Ups and moving tables and chairs & lights into position. The key is, “lots of hands make short work.” So, if operating the contest (ARRL, “It’s not a T”) portion, is not your thing, there is lots of FUN to be had and stuff to be learned during setup – and, of course, we are almost ‘Famous’ for tearing it all down by 4PM Sunday afternoon, by the time the park closes, at 4 PM. We’re usually out by 3PM, sometimes earlier, and on our way home. But this “Decamping” needs plenty of hands.

So as Brian mentioned last month, “It's time to start thinking about [Field Day 2022, June 25-26, 2022](#), (**actually 24, 25, 26**) always the last full weekend in June.” There is also a task for someone to coordinate some coffee and food. This team runs on its Belly and Caffeine.

Dale, WB6MMQ  
Secretary et al, Hughes ARC

**In-Person Meetings -** On **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, concerning Masks.

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 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 to run a Special Event Station (s) to commemorate the 75<sup>th</sup> anniversary of this historic event in November of 2022. One thought is, that we will issue an Alpha Character to each operator. The operator gives a serial number with his Alpha prefix to the contacted stations. Then when QSL cards come in they are routed to the station who made the contact for verification and to return the QSL card, via the supplied SASE. More at the meeting.  
Dale, WB6MMQ,

**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 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 for the winner - AB6UI**

### **LOGO Makers – On-Line-Free**

Don't think you can make a LOGO, Try one or two of these five "Free" sites. I tried one – [www.WIX.com](http://www.WIX.com) Only had to give my Email and a PassWord:

[Free Logo Maker - Promote Your Brand with a Logo](#)

[Create a Logo Instantly - Logo Maker Free](#)

[The Best Free Logo Maker - Create a Unique Logo | Looka](#)

[Free Logo Maker: Design Custom Logos | Adobe Express](#)

[Free Logo Design](#)

### **Study: Rapid Development of Satellite Mega-Constellations Risks Tragedies of the Commons –**

See ARRL Letter on: [www.W6HA.org](http://www.W6HA.org)

### **New Club Members after 1/1/22**

The following are new club members followed by new vanity calls:

Robert, KN6OYJ

Annie, KK6JEY

Peter, KN6OKX

Joe, KN6LZC

Mike, WB6DJI

Jerry, KN6QJP,

Welcom to all! 73 & 88s

### **New Vanity Calls:**

Jerry, K2JRY was KF6ZKL

Thomas, KN6TWT was KN6MHC

73 es vry Gud DX de W6HA.

### **SAMO-100 - Santa Monica Mountains**

#### **100 mile foot race – Friday, May 13th**

Ten volunteers so far, more needed. There are fairly short short assignment and rather long ones, and inbtween ones. You can be accommodated to be an operator for the FIRST EVER 100 MILE Foot Race in the Santa Monic Mountains, as far as I know. Email: [DGBirmingham@Gmail.com](mailto:DGBirmingham@Gmail.com) Happy to provid more info before you commit, and at this point you have some choices.

Dale, WB6MMQ

Race Coordinator, Hughes ARC

### **Hughes Net Lunch Bunch (HNLB)**

QST QST QST

Nine of us met via zoom for our March 1st Tuesday "lunch": Don, N6IC; Al (a bit tardy), W6IVO; Sam, W6LXR; Alice, KK6MFL; Dick, W1MII; Dale, WB6MMQ; Elliott, WA6TLA; Betty, N6VZF; Gary, NY6Y  
Also, Bill, K6MGO, sent a "Hi" but couldn't join us. I hope more of you can join us next month. It's good to see and talk with all our friends. First Tuesday is April 6. Put it on your calendar.

As you might expect, we talked about getting vaccinated, who's had the virus, and how everyone's doing - in addition to ham talk.

73 & 88,

Betty, N6VZF

P.S. from MMQ: I was at the Coffee Company. It's amazing how quickly you get seated and served when you're by yourself – Seated at 11:45 – paid and out the door by 12:20. Conversation, Question, "coffee?" Yes! Please!" On the March 1<sup>st</sup> Tuesday, you needed evidence of vaccination to be seated inside & a mask to enter, Or take a table

outside. At 11:45, I said, "first available" and was seated immediately, inside. The Waffle, Egg and Bacon Combo was great, and it came almost before I was seated. I hope to see more of you daring HNLBers on the 1<sup>st</sup> Tuesday in April. WB6MMQ

### Nonprofit Status

**March:** The wheels of government turned this last month, and the "**501(c)(3) Determination Letter**" was received. We are now a nonprofit by the Secretary of State of California, and the IRS. One entity remains.

That is the California Franchise Tax Board (FTB). They usually follow the IRS' lead. The procedure is to file their form #3500A. This is a one page form, identifying the Club, to which the IRS' "Determination Letter" is attached. The Treasurer, Paul, KK6TAC, has already filled it out, attached a copy of the 'Determination Letter' and sent it to the Franchise Tax Board.

Last month, I that mentioned we were also waiting on a 'Certified Copy' of the SI-100 filed with the Secretary of State (SOS) on December 30, 2021. That has also been received. So, all the "hard work" has been done.

Going forward, there is only one thing for the Secretary to do and two things for the Treasurer to do to maintain our corporate nonprofit status:

1. Every two years, the SI-100 needs to be filed, informing the SOS of who the officers are and that the club still functions. If an election changes the officers, (mainly the President, Secretary or Treasurer) an interim SI-100 is filed. *(BTW – this is also required by the bank and desired by the ARRL to maintain our affiliation.)* The time for this filing is from July 1<sup>st</sup> to November 30<sup>th</sup>, in odd numbered years, since we formed in 2021.

2. Every year the Treasurer files two forms, electronically. The IRS Form 990-EZ and the Franchise Tax Board form FTB 199N. The main item on these forms is the gross receipts of the Corporation over the last year which the Treasurer needs to know anyway. So just fill in the blank, and click send.

Dale, WB6MMQ

Chair Nonprofit committee

### License Exams - On Again! - TRW Swap Meet – 3/26/22

Exactly, two years ago the TRW Swap Meet and license exams there, in the Northrop-Grumman cafeteria, were shut down due to the Covid-19 pandemic. The swap meet has been back on for several months now but a new lead was required to coordinate the Amateur Radio License exams for Technician, General and Extra Class licenses. It, They, Them are found!

So, on the last Saturday of March, 3/26/22 at 10:00 AM, VE testing will begin again, conducted by SBARC's testing crew and led by Betty, N6VZF. Betty says, "If you would like to join the VE team, please contact me at [N6VZF@arrl.net](mailto:N6VZF@arrl.net)," and she'll put you on the VE testing roster. If you want to become a VE, she'll tell you how.

Betty, N6VZF

[N6VZF@arrl.net](mailto:N6VZF@arrl.net)

VE Liaison for SBARC

### ARRL Letter - Excerpts of Possible Interest Dayton Hamvention Looks to Be a Go for 2022 [From Feb.22]

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 General Chairman Rick Allnut, 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," Allnut said.

... 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. ...

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

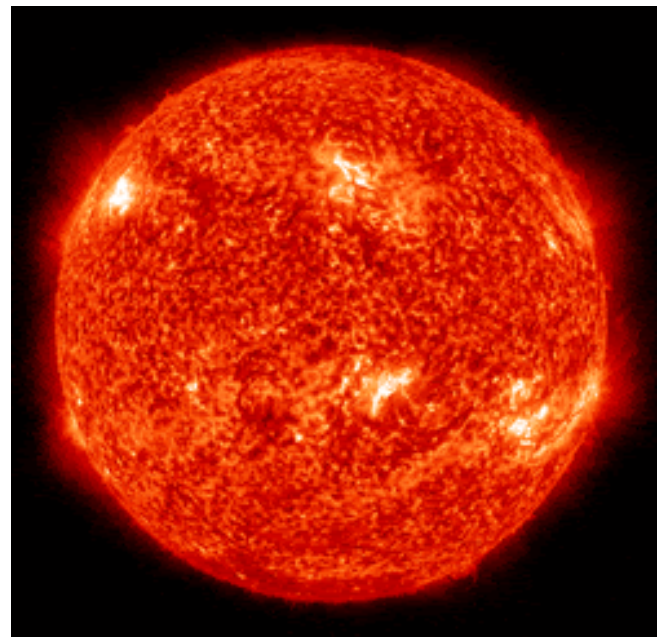
Another change, involving Rule 7.3.2 Media Publicity, has been modified. Rules to date have offered 100 bonus points for attempting to obtain publicity and demonstrating same. With the ease of posting via Facebook, Twitter, Instagram, and various other media websites, Field Day participants will now 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.

**The K7RA Solar Update** [complete article can be found on [www.W6HA.com](http://www.W6HA.com) in the March 10<sup>th</sup> ARRL Ltr – ed] **Tad Cook, K7RA, Seattle**, reports: We watched an active sun this week. Geomagnetic indicators peaked on Saturday, March 5, when Alaska's high latitude college A index reached 42. Again this week, sunspots covered the sun each day. Average daily sunspot numbers rose from 44 to 87.4, and average daily solar flux went from 98.5 to 115.5. Geomagnetic indicators were also higher. Average daily planetary A index increased from 7.3 to 11.4.

Sunspot numbers for March 3 - 9 were 92, 77, 95, 82, 84, 93, and 89, with a mean of 87.4. The 10.7-centimeter flux was 110.9, 113.1, 120.1, 115.7, 118.3, 115.3, & 114.8, with a mean of 115.5. Estimated planetary A indices were 5, 10, 27, 18, 9, 6, & 5, with a mean of 11.4. Middle latitude A index was 3, 7, 19, 13, 7, 5, & 4, with a mean of 8.3.



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.

Friday update: <http://www.arrl.org/news/the-k7ra-solar-update-723>

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)

- Mar. 12 -- AGCW QRP T (cw)
- Mar. 12 -- YB DX RTTY T
- Mar. 12 - 13 -- RSGB Commonwealth T (cw)
- Mar. 12 - 13 -- South America 10 M T (cw, Ph)
- Mar. 12 - 13 -- SKCC Weekend Sprintathon (cw)
- Mar. 12 - 13 -- Stew Perry Topband Challenge (cw)
- Mar. 12 - 13 -- Oklahoma QSO Party (cw, Ph)
- Mar. 12 - 13 -- EA PSK63 T
- Mar. 12 - 13 -- TESLA Memorial HF CW T
- Mar. 12 - 13 -- Idaho QSO Party (cw, Ph)
- Mar. 12 - 13 -- North American Sprint, RTTY**
- Mar. 13 -- UBA Spring T, 2 Ms (cw, Ph)
- Mar. 13 -- FIRAC HF T (cw)
- Mar. 13 - 14 -- All Wisconsin QSO Party (Ph)
- Mar. 14 -- 4 States QRP 2nd Sun. Sprint (cw, Ph)
- Mar. 14 -- OK1WC Memorial (cw)
- Mar. 15 - 20 -- CLARA Chatter Party (cw, Ph)
- Mar. 16 -- RSGB 80-M Club Championship (cw)
- Mar 16 - 18 -- [St. Patrick's Day Award](#)
- Mar. 17 - 18 -- Walk for the Bacon QRP T (cw)
- Mar. 17 -- NAQCC cw Sprint
- Mar. 17 -- BCC QSO Party (cw, Ph, digital)

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](#).

["Freeport ham radio operator gets thrill from being part of airwaves"](#) / *Journal-Standard* (Illinois) February 1, 2022.

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

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

In the West or near members anywhere:

- Mar. 12 - 13 -- [QSO Today Virtual Ham Expo](#)
- Mar. 19 - [ARRL West Texas Section Convention](#) (66<sup>th</sup> 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."

### **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.

**Announcements**

- The [EZNEC](#) antenna-modelling software by Roy Lewallen W7EL, is now a free download.
- "[Remarkable man believed we could lick fuel addiction](#)" / *Baltimore Sun* (Digital Edition) (Maryland) March 8, 2022
- "[When all else fails, ham radio works](#)" / *Santa Cruz Sentinel* (California) February 8, 2022
- France's IARU member-society REF has announced that special event station TM97 WARD will be among those on the air April 16 - 25 to celebrate World Amateur Radio Day ([WARD](#)), which takes place each year on April 18.
- 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.
- **Special Event:** 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>		

“The demise of the Soviet Union was the greatest geopolitical catastrophe of the century. Tens of millions of our countrymen found themselves beyond the fringes of Russian territory.”

... Vladimir Putin

**Old Town Music Hall**, 140 Richmond St. in E.S.

Coming attractions: **Sat. 2:30 & 7:00 PM, Sun 2:30 PM**  
**Mar 13 – Concert – Boogie Woogie – Leyland- Live \$25**  
**Mar 19 – Girl Crazy – Judy Garland, Mickey Rooney**  
**Mar 20 – Concert – Organ – Rob Richards – Live \$25**  
**Mar 26, 27 – Dble Indemnity–MacMurray, Stanwyck**  
**Apr 2, 3 – Laurel & Hardy – Rare Early Silent Shots**  
**Apr 9 – Nosferatu – Horror Silent Classic – Sat 7 PM only**  
**Apr 9, 10 - 2:30 Sunset Boulevard – 1950 G. Swanson**  
**Apr 16 - Easter Parade–J. Garland, F. Astaire, 2:30 & 7:00**  
**Apr 23 – Key Largo – H. Bogart, L. Bacall - 1948**

Reserve at: [OldTownMusicHall.org](#)



**Select DX News** (QRV = Ready! or Are you Ready?)**ARLD009 & 10 DX news** [Note: 'T' = contest]

This week's bulletin was made possible with information from EA4NF, AD8J, W2GD, The Daily DX, OPDX Bulletin, 425 DX News, DXNL, Contest Corral of QST & the ARRL Contest Calendar and WA7BNM websites. Thanks to all.

**Was a Long Term Listing, Now Short Term**

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

**New Listing This Month**

NIGER, 5U. Giorgio, IU5HWS is QRV as 5UA99WS from Niamey **until Mar. 20**. Activity has been on 20M using SSB around 1100z. QSL via EA5GL.

TOGO, 5V. Andy, KB9IJI is QRV as 5V7JA from Mango on the HF bands using mostly SSB & CW & dig modes. [Mar. '22 – ed] QSL #4

MALAWI, 7Q. Don, K6ZO is QRV as 7Q6M **until March 13**. He is active on 80 meters using CW around 0300z. QSL #1

MALDIVES, 8Q. Laurent, F8CZI is QRV as 8Q7ZI **until March 21**. Activity is holiday style on the HF bands using CW & SSB. QSL #1

MALTA, 9H. Mike, G3VYI will be QRV as 9H/G3VYI and 9H6YI from southwest Gozo from March 11 to 13. Activity will be on the HF bands. This includes being active in the RSGB Commonwealth contest. QSL #1

THE GAMBIA, C5. Don, G3XTT is QRV as C56DF **until March 18**. Activity is using mostly CW on 30, 17, & 12M. This includes being active in the RSGB Commonwealth contest. QSL #1

COMOROS, D6. Don, K6ZO will be QRV as D60AB **from March 16 to 18**. QSL #1

NORTH COOK ISLANDS, E5. Warwick, E51WL has been active using FT8 on 12M just before 2200z. [Mar. '22 – ed] QSL #1

KYRGYZSTAN, EX. Pavel, R2DX and other operators are QRV as EX0QR from the southern shore of Lake Issyk-Kul/Kyrgyzstan **until March 16**. Activity is on 160 to 10M using CW, SSB, & various digital modes. QSL via R2DX.

AUSTRAL ISLANDS, FO. Jacek, SP5EAQ is QRV as FO/SP5EAQ and TX5AQ from Rimatara

Island, IOTA OC-050, **until March 30**. Activity is on 80 to 10M using SSB. This includes being active as TX5AQ as a Single Op/High Power entry in the upcoming **CQ World Wide WPX SSB** contest. QSL via SP7DQR.

FRENCH GUIANA, FY. Pete, F4GPK is QRV as FY/F4GPK from Kourou **until March 17**.

Activity is holiday style on the HF bands. QSL#1

WALES, GW. **Special event station GB20SOTA** is QRV **until March 26** from the Welsh SOTA summit of Mynydd y Cwm **to celebrate 20 years of the Summits On The Air** program. Activity is on the HF & V/UHF bands. QSL via M1EYP.

MINAMI TORISHIMA, JD1. Take, JG8NQJ is QRV as JG8NQJ/JD1 from Marcus Island, IOTA OC-073, **until mid-June, '22**. Activity is on the HF bands using mostly CW. QSL via JA8CJY.

SEYCHELLES, S7. Ravi, S79VU has been active on 20 meters using SSB around 1600z. [Mar '22 – ed] QSL via N4GNR.

BELIZE, V3. Iain, G4SGX is QRV as V31GX from Ambergris Cay, IOTA NA-073, **until March 18**. Activity is holiday style on 160 to 6M using CW & possibly FT8. This includes being active in the RSGB Commonwealth contest. QSL #4

INDONESIA, YB. Special event station 8C9MGP will be QRV from Lombok Island, IOTA OC-150, from **March 11 to 13** to support the Mandalika Grand Prix. QSL via HA3JB.

SOUTH SUDAN, Z8. Diya, YI1DZ, will be QRV as Z81D from Juba beginning March 11 and will be here **until September 11**. Activity will be holiday style. QSL via OM3JW.

CAYMAN ISLANDS, ZF. Colin, G4CWH is QRV as ZF2CA from Grand Cayman, IOTA NA-016. Active on 160 to 10M using CW & SSB. Length of stay - **unknown**. [Mar.'22 – ed] Will be active in the RSGB Commonwealth T. QSL #1

NEW ZEALAND, ZL. Jacky, ZL3CW will be QRV in the RSGB Commonwealth T. [Mar. '22 – ed] QSL#1

BRAZIL, PY. **Special Event Station ZZ165IBI** is QRV **during the month of March** to commemorate the founding of the city of Ibiuna 165 years ago. QSL via PU2SWB.

SINT MAARTEN, PJ7. Tom, AA9A will be QRV as PJ7AA from **February 26 to March 26**. Activity will be on 80 to 10 meters using CW, SSB, FT8, and FT4. QSL #1.

BELGIUM, ON. Members of the Radio Club Belge de l'Est are QRV with **Special Event Station** call sign OR100RCBE **during all of 2022** to celebrate the club's founding in 1922. QSL via ON4GDV.

TOGO, 5V. Andy, KB9IJI is QRV as 5V7JA & is active using FT8 on 30 & 20M, typically around 2100z to 0230z. [listed Mar.'22 – ed] QSL #1

UGANDA, 5X. Alan, G3XAQ will be QRV as 5X1XA from Kampala **from March 7 to 14**. Activity will be on 80 to 10M with a focus on the RSGB Commonwealth T. QSL #1

MALAWI, 7Q. Dan, K6ZO is QRV as 7Q6M **until March 13**. This includes being an entry in the ARRL International DX SSB T. QSL#1

BARBADOS, 8P. Charles, 8P6ET will be QRV as 8P1W in the **ARRL International DX SSB T** as a Single Op/All Band/Low Power entry. He plans to also be active in the upcoming **CQ World Wide WPX SSB T**. QSL via KU9C.

CHILE, CE. Luis, CE2ML plans to be in the **ARRL International DX SSB T** as a Single Op/Single Band entry on 10 meters. QSL #1

CUBA, CO. Members of the radio club of Sancti Spiritus and the radio club of Trinidad and Cabaiguan will be QRV as T46SB from **March 8 and 9** to activate a SOTA reference in the La Sabina-Banao Reserve. Their **Special Event Station** is to celebrate the first radio broadcast from Tuinicu 99 years ago and also **International Women's Day**. QSL via RW6HS.

CAPE VERDE, D4. Look for D4K to be QRV in the **ARRL International DX SSB T**. There may be some 6M activity before and after the T as well. QSL via IZ4DPV.

FEDERAL REPUBLIC OF GERMANY, DA. **Special Event Station DA22WARD** is QRV **until April 30** to celebrate World Amateur Radio Day, which is on April 18. QSL via bureau.

CANARY ISLANDS, EA8. Philippe, EA4NF is QRV as EA8/EA4NF from Hierro Island, IOTA AF 004, **until March 6**. Activity is on various

FM and Linear LEO satellites from very rare Grid Squares IL07 and IL17. QSL via LoTW.

ST. BARTHELEMY, FJ. Andreas, DK6AS is QRV as FJ/DK6AS and is active on 40, 17, 15, 12, and 10M using CW from 1100 to 2330z [lisred 3/11/22 – ed] QSL #1

AUSTRAL ISLANDS, FO. Jacek, SP5EAQ is QRV as FO/SP5EAQ from Rimatara Island, IOTA OC-050, for four weeks. [until est. 4/15 – ed] Activity is on 80 to 10M using SSB. This includes being active as TX5AQ in the upcoming **CQ World Wide WPX SSB T**. QSL to home call.

CURACAO, PJ2. Andy, DK5ON is QRV as PJ2/DK5ON **until March 17**. Activity is on 160 to 6M using CW, SSB, and various digital modes. He will also be active in the **ARRL International DX SSB T**. QSL to home call.

SABA, ST. EUSTATIUS, PJ5. Frank, K3TRM will be QRV as PJ5/K3TRM from Sint Eustatius, IOTA NA-145, **from March 6 to 12**. He will be active on 40 to 10 meters using SSB, RTTY, FT8, and on various satellites. QSL to home call.

ANTIGUA, V2. Bud, AA3B is QRV as V26K **until March 10**. Activity is on the HF bands using CW. This includes being active as a Single Op/High Power/All Band/Unlimited entry in the **ARRL International DX SSB T**. QSL via LoTW.

BELIZE, V3. Bill, K4XS will be QRV as V3X in the ARRL International DX SSB T. QSL #1

TURKS AND CAICOS ISLANDS, VP5. Dave, K0KQ will be QRV as VP5/K0KQ from Grand Turk Island, IOTA NA-003, **from March 7 – 21**. Activity will be on the HF bands. QSL via LoTW.

CHINA, BY. Members of Chinese ARC Station BY1CRA are QRV with **Special Event Station** BY1CRA/WO22 for the '22 **Paralympics**. QSL #2

MEXICO, XE. In celebration [**Special Event**] 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

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 Ts, he will Id as V55Y. QSL #1.

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

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.

MARSHALL ISLANDS, V7. JT, KD7ADI is QRV as V7/KD7ADI. Ops is in spare time on 40 & 20M using FT8. [listed Feb. '22 - ed] QSL #4

SOUTH SUDAN, Z8. Diya, YI1DZ is QRV as Z81D while on work assignment with the UN-WFP. Activity is on 80 to 10M, including 60M, & maybe 160M using SSB & 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

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

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 Station s 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 50<sup>th</sup> 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 Log Book of The World (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

“The investor’s chief problem and his worst enemy is likely to be himself.”

...Benjamin Graham

**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)) [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](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)**

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, WA6NQQ, 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](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



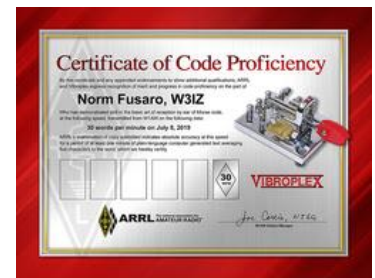
Frequencies (MHz)

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
Mar	15-T		14-M	<b>16-W</b>		18-F		28-M		<b>31Th</b>	29-T		<b>30-W</b>
Apr		4/4	<b>4/5</b>	4/7	<b>4/8</b>		4/11	4/12	<b>4/14</b>				4/19
Apr				<b>4/20</b>		4/22	4/21	4/25	<b>4/26</b>	<b>4/29</b>			

**West Coast Qualifying Runs:**

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  
 Wed Apr 27 @ 6 PM HST (0400 UTC on Apr. 28) on 7047.5 & 14047.5 kHz by KH6TU – **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.

**July 1, 2021 – June 30, 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>		
<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-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](http://www.W6HA.org) and [www.W6HA.net](http://www.W6HA.net) will also get you there.

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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*

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