



The Transponder



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

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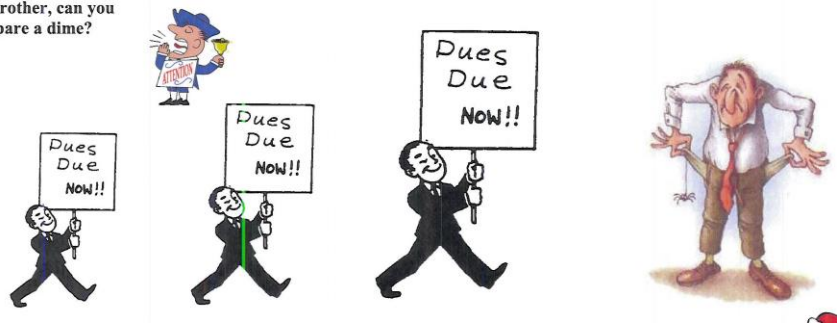
***** CLUB MEETING O-T-A (MOTA)*****

Where: The club’s Repeater, and Zoom (See E-mail or Web Site for ID & PW)

Location: Repeater location – “High Above LAX”

Meeting Notice: Date: Tuesday, July 20, 2021
Time: Pre-Meeting: 11:30 Gather, Exchange Greetings
Meeting Call to Order: 12 to 1 PM (Zoom Audio on Repeater)
On-Air Roll Call (Sign-In), 11:30 (informal discussion / Greetings)

Brother, can you spare a dime?



Featured Presentation:
Field Day – Re-Cap

Suggestion / assistance Submitting FD Results – Deadline: July 27 at 4:59 PM PST

Up Coming Events:

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

Nets on the Club’s Repeater: (See Last page for details)

Wednesday Evenings at 7:30 PM – Hughes ARC members net, (then Simplex @ 146.55)

Thursdays about Noon (12:05 PM) Raytheon & other Emergency Communication Teams (ECT)

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

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

Club News:**HARC Dues are Due July 1st.**

Believe it or not another year has past. The club's year runs from July 1 to June 30. So, therefore, dues are due. Regular dues are \$20; retired members pay \$15. Normally, the treasurer will accept dues at the club meeting, but these days, put them in an envelope and mail them. The treasurer's address is on the lower right of the application. Checks are preferred, (made to Hughes ARC) but cash will be accepted, but definitely use a check if submitting by mail. New members that joined after January 1st are paid through June of 2022.

73, Dale, WB6MMQ, Membership

Nonprofit Status

As many of you already know, the results of the 'Survey Monkey' poll to vote on forming a California Nonprofit was successful. The "Survey Monkey" for collecting votes on the nonprofit issue was indeed available immediately after the June meeting and until Sunday evening, June 20th. On Monday June 21st, 2021, Mike, N6MDV announced via the Email list (W6HA@W6HA.com). The results of the vote as follows:

Responses to the survey: 40 Ballots Cast
(Quorum required minimum: 15)

ACCEPT votes 31 (77.5%) (Min to pass 2/3s or 66.66 %)

REJECT votes: 9 (22.5%)

THE ISSUE PASSED!

Currently the Articles of Incorporation and the Bylaws are circulating among the offices for signatures. Following that we will begin the process of filing as a California Nonprofit Public Benefit Corporation. This will take several months as it must be done in a serial fashion, first with the California Secretary of State, then the IRS and finally with the California Franchise Tax Board.

Thanks to all for your continued support,

Dale, WB6MMQ
Chairman

Contests / Special Events : July – August Missouri QSO Party – July 31 (1400) to Aug 1 (2000) UTC

The object of the Missouri QSO Party is to work as many stations as possible during the contest period, to provide all licensed radio amateurs outside the state of Missouri the opportunity to work Missouri counties, and to provide all licensed radio amateurs in Missouri an opportunity to work other states and countries. [Rules](#)

North American QSO Party – 2 Flavors

Aug 7, 1800 to Aug. 8th 0559 utc – CW

Aug 21, 1800 to Aug. 22nd 0559 utc – SSB

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. Participants can enter in the single op or multi-op categories and also have the opportunity to combine up to five separate single op scores into a team score. [Rules](#)

Lunch Kitty Financials – for Feb., 2020

Attendance: 21

Starting Lunch Kitty:	\$	150.75
Expenses: Pizza(1) & Salads	\$	102.00
Drinks: Soda: 8 @ 0.375 =	\$	3.00
Water 2 @ 0.25 =	\$	0.50
Food Total:	\$	105.50
Income: Lunch:	\$	108.75
Recycling: 7/17/21	\$	30.00
Room Rent-To General Funds:	\$	184.00
Starting - Kitty for Mar 17, 2020 Mtg:	\$	184.00
<u>Gain of \$30.25 - \$20.00 for room rent = Gain of 10.25</u>		

ARRL Letter - Excerpts of Possible Interest**Most 2021 Field Day Participants Entered in Class D**

In the second ARRL Field Day (FD) with rule waivers in place, some 4,815 entries were received at ARRL Headquarters by July 13 -- the majority in Class D (Home Stations). Last year saw more than 10,213 entries and 18,886 participants. Before the pandemic, in 2019, 3,113 entries were submitted, with 36,420 total participants.



"It appears that larger groups were more the norm in pre-pandemic times, as expected," ARRL Contest Program Manager Paul Bourque, N1SFE, observed. "From the discussions I've been having with



Scott Hanley, WA9STI, operated in the Los Padres National Forest from a site at 7,400 feet elevation.

participants, even though some groups gathered in larger numbers this year, many participants chose either to gather in smaller groups or to operate solo from home as Class D or Class E stations. Although I don't think we'll see the number of entries that we did last year, we're close in terms of the number of participants."

With about 2 weeks to go until the entry submission deadline, the tally of participants reported is 16,166. They made just north of 1 million total contacts.

"FD was already a success on Saturday, with the stations working smoothly, and lots of local visitors dropping by," said Andy Goss, AA5JF, at Augusta University Amateur Radio Club's WA4AUG. "An hour after sunrise on Sunday, we were counting our points, when Darby, KK4PEQ, announced he had just worked a station on 6-meter phone -- just playing around on 50 MHz using the 20/15/10 tribander," Goss said. "He stayed on 6 [meters] for five QSOs, but we quickly [moved] to 10 and 15, finding those bands were open to just

about everywhere, and we doubled our score in just 3 hours. What a rush!"

FD Entries are Due Soon

There's still time to submit your 2021 Field Day entry. Most of this year's Field Day entries have been submitted [via the online web app](#) (worth 50 bonus points!), although some 50 paper logs have been mailed in. Participants can check the [Entries Received](#) page to make sure their entries were received and complete. If the entry status indicates "Pending documents," either the required dupe sheet (or in lieu of that, a Cabrillo log file), or supporting documentation of claimed bonus points is missing. Bourque said some 250 entries fall into that category right now. Participants can add documentation or edit their entries by following the link provided in the confirmation email sent to the email address provided upon entry, up until the entry submission deadline. Field Day entries must be submitted online or postmarked no later than **2059 UTC on July 27, 2021.**

The breakdown of Field Day entries by class, as of July 13, showed 4,815 total entries, with 613 in Class A, 582 in Class B, 57 in Class C (Mobile), 2,619 in Class D, 858 in Class E, and 86 in Class F.

For his 2021 Field Day, Scott Hanley, WA9STI, took to the woods -- the Los Padres National Forest -- at a site some 7,400 feet elevation in the mountains overlooking California's Central Valley. He operated as WA6LE in Class 1B. He put 358 contacts in the log on CW and phone -- short of his 400-contact goal. "Almost all activity was on 20, 40, and 75/80 meters to a G5RV or end-fed 20-meter dipole," Hanley said. "Six meters did not open, so I only had two local SSB contacts and only three contacts on 2-meter FM."



Andy Goss, AA5JF, took part in the first Field Day for the Augusta University Amateur Radio Club (WA4AUG), which set up in the Georgia school's Critical Event Preparedness and Response (CEPaR) Center.

WSJT-X version 2.4.0 Now Generally Available, Version 2.5.0 on the Horizon

06/10/2021

WSJT-X version 2.4.0 now is available in general release. According to co-developer Joe Taylor, K1JT, WSJT-X version 2.4.0 includes a new digital mode, Q65. This protocol is designed for two-way contacts over especially difficult propagation paths, including ionospheric scatter, troposcatter, rain scatter, TEP, EME, and other types of fast-fading signals.

“On paths with Doppler spread more than a few Hertz, the weak-signal performance of Q65 is the best among all WSJT-X modes,” the [Quick Start Guide](#) asserts.

WSJT-X version 2.5.0-rc1 (beta) version has been released. According to the [Release Notes](#), in version 2.5.0 “the Q65 decoder has been enhanced to measure and compensate for linear frequency drift in Q65 signals.”

Q65 uses 65-tone frequency-shift keying and builds on the demonstrated weak-signal strengths of QRA64, a mode introduced to WSJT-X in 2016. Q65 offers user message and sequencing identical to that in FST4, FT4, FT8, and MSK144. It includes a unique tone for time and frequency synchronization. As with JT65, this “sync tone” is readily visible on the waterfall spectral display. In addition, Q65 provides a sensitive “sync curve” near the bottom of the waterfall window.

Testing showed that Q65 will enable stations with a modest Yagi and 100 W or more and to work one another on 6 meters at distances up to ~2000 kilometers on most days of the year, in dead band conditions.

“An excellent example of targeted uses of Q65 is ionospheric scatter on the 6-meter band,” the documentation states. “Extensive tests on the 1,150-kilometer path between K1JT and K9AN have shown that with 300 W power output, nearly every Q65-30A transmission is copied correctly by the other station.” The 30A refers to the transmit-receive period and spacing width.

For the complete announcement and to download the latest version, visit the [WSJT-X website](#).

Intrepid-DX Group Adds 2nd Physician for Trip to "Cold and Inhospitable" Bouvet Island



"Bouvet is like the Mount Everest of DXCC entities," [3Y0J DXpedition](#) co-leader Paul Ewing, N6PSE, said. "It is among the most challenging entities to activate due to significant transportation costs and personal sacrifices required by the team to make the 42-day round trip. Fortunately, Bouvet is not our first mountain." The DXpedition's website describes Bouvet as, "a cold and inhospitable place." At 54° S, Bouvet Island, a sub-Antarctic island in the South Atlantic and a dependency of Norway, is the most remote place on Earth.

Ewing announced recently that Mike Crownover, AB5EB, a veteran emergency room physician, has joined the 3Y0J DXpedition team to pair with ER doctor Bill Straw, KO7SS. The DXpedition is set for January - February 2023, but the planning stage to activate the second-most-wanted DXCC entity is well under way, with the team researching polar-quality tents and equipment and discussing antenna specifications with various manufacturers.

"We will make careful choices to help us meet the demand for Bouvet contacts," Ewing said. The 3Y0J team has set a goal of making at least 100,000 contacts from Bouvet. "3Y0J will be a DXpedition with a focus on good, fast, and accurate operating. QSO rates will be very high," Ewing said. "We have assembled a team of strong operators who will strive to work everyone. We will focus on CW/SSB/digital for the 10 - 160 meter bands. Our goal is to match our VP8STI/VP8SGI achievement with 135,000 contacts made."

Ewing said that in the later stages of the DXpedition, operators will use "proven techniques" to work the weakest of callers. "We will also use techniques to work the youth in our audience," he added.



No real-time log search will be available, but 3Y0J will upload to Club Log and to M0OXO Log Search each day, Ewing said.

The DXpedition has an estimated budget of \$764,000, with each team member contributing a minimum of \$20,000 each. In April, ARRL awarded a Colvin Grant of \$5,000 to the Intrepid-DX Group to help in funding the 3Y0J DXpedition. Ewing and ARRL member Ken Opskar, LA7GIA, will share DXpedition leadership duties .

Follow the DXpedition plans from the DXpedition [website](#) and [Facebook page](#).

ARRL Learning Network Webinars

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

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Solar activity declined this week -- by a lot. Average daily sunspot number plummeted from 55.6 to 21.3, and average daily solar flux slid from 88.9 to 72.9.



Geomagnetic indicators were about the same, with average daily planetary A index at 6.6, although the daily value increased to 14 on Wednesday, July 14, due to increasing solar wind.

Predicted solar flux is 72 on July 15; 75 on July 16 - 21; 78 1 on July 22; 79 on July 23 - 28; 77 on July 29 - August; 75 on August 2; 74 on August 3 - 9; 73 on August 10 - 11; 75 on August 12 - 15, and 79, 81, and 79 on August 16 - 18.

Predicted planetary A index is 8 on July 15; 5 on July 16 - August 1; 8 on August 2; 5 on August 3 - 7; 12, 16, and 12 on August 8 - 10; 8 on August 11 - 12, and 5 on August 13 - 31.

In Friday's bulletin, look for reports of sporadic-E openings on 10, 6, and 2 meters.

Sunspot numbers for July 8 - 14 were 23, 23, 24, 23, 22, 11, and 23, with a mean of 21.3. The 10.7-centimeter flux was 73.4, 73.8, 74, 73.6, 71.6, 72, and 72.1, with a mean of 72.9. Estimated planetary A indices were 5, 5, 6, 4, 7, 5, and 14, with a mean of 6.6. Middle-latitude A index was 5, 7, 8, 4, 7, 7, and 10, with a mean of 6.9.

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

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)

- July 17 -- Russian R.T. Championship (CW, ph)
- July 17 -- Trans-Tasman Low-Bands Challenge (CW, ph)
- July 17 -- YOTA Contest (CW, ph)
- July 17 -- Feld Hell Sprint

July 17 - 18 – N. American QSO Party, RTTY

- July 17, 8 - CQ Worldwide VHF T (CW, ph dig)
- July 18 -- RSGB Low Power Contest (CW)
- July 18 -- CQC Great Colorado Gold Rush (CW)
- July 18, 9 - Run for the Bacon QRP Contest (CW)
- July 22 - RSGB 80-M Club Championship (dig)

Aug 7- 8 -- N. American QSO Party – CW

Aug 21- 22 - N. American QSO Party – SSB

Aug. 28, 9 – [KANSAS QSO Party \(CW, Ph, Dig\)](#)

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

All dates & times are UTC.

Amateur Radio in the News

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

- [Amateur \(Ham\) Radio Field Day: Testing Readiness for Emergencies / Soundings Magazine](#) (California) July 8, 2021

- ['Goal-oriented' 86-year-old Minnesota twin sisters have mastered everything from computers to canoeing](#) / *StarTribune* (Minnesota) July 6, 2021
- [American Radio Relay League is planning a Rededication of Operations](#) / *New Britain Herald* (Connecticut) July 1, 2021
- [Poway amateur radio enthusiasts hold 24-hour event](#) / *San Diego Union-Tribune* (California) June 30, 2021

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

ARRL Section, State and Division Conventions / Hamfest

[in the West or near members everywhere:](#)

Note: Check the [calendar of canceled events](#) on the ARRL website.

August 7 -- [ARRL Iowa State Convention](#) (Cedar Valley ARC Techfest), Central City, Iowa

August 14 - 15 -- [QSO Today Virtual Ham Expo \(online\)](#)

August 21 - 22 -- [ARRL Southeastern Division Convention](#) (Huntsville Hamfest), Huntsville, Alabama

September 10 - 12 -- [ARRL New England Division Convention](#) (Northeast HamXposition), Marlborough, Massachusetts

September 25 - [ARRL Dakota Division Convention](#) (RRRA Hamfest), West Fargo, North Dakota

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

In Brief...

The next Youngsters on the Air Contest is July 18. Following the success of the first [Youngsters on the Air \(YOTA\) Contest](#) in May, the second event is this Sunday, July 18, 1000 - 2200 UTC. Organizers say 100 YOTA logs showed up for the inaugural round from operators 25 years old or younger. Including veteran hams, 700 logs were submitted by the deadline. The scores are posted on the YOTA Contest website. YOTA Contests are held three times a year, each lasting just 12 hours, with the idea of increasing on-the-air activity and awareness of the YOTA program. The contest exchange is operator age, with each age worked counting as a different multiplier. The younger the operator you work, the more points that contact is worth. [Email](#) for more information.



Announcements

[Fedor Konyukhov, R0FK](#), recently left Murmansk on an icebreaker, and when he reaches the North Pole, he will be on a drifting polar ice station for 10 days, conducting scientific research. Listen for him on 14.333 MHz, starting at 0400 UTC.



- ["Legacy" records](#) of single-operator scores before the merging of Single Operator and Single Operator Assisted categories for the CQ WPX Contest are now available.
- **Stew Perry** - The dates have been posted for the four Stew Perry [Top Band Distance Challenge](#) events on 160 meters. This year's main Stew in December will occur 1 week earlier than usual -- on December 18 -- to avoid a conflict with Christmas. The schedule for this year is: March 13, June 19, Oct. 23, and Dec. 18.
- **Steve Johnston, WD8DAS**, has purchased [AF4K Crystals](#) and plans to reopen it soon. AF4K Crystals was a source for vintage and modern radio crystals for nearly 2 decades. The company will fill a gap for those seeking to buy quartz crystals for projects.

Select DX News (QRV = Ready! or Are you Ready?)
ARLD028 DX news

This week's bulletin was made possible with information provided by EA4R, W6PQL, 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.

SENEGAL, 6W. Dani, EA4ATI is QRV with his temporary call sign 6W1/EA4ATI and here until **September 30, 2021**. He is active on 80 to 10 meters using mainly SSB. QSL via EA4R.

AZORES, CU. Jim, W6PQL will be QRV as CT8/W6PQL from Pico Island, IOTA EU-175, **from July 25 to September 4**. Activity will be on 40 to 15 meters using SSB and FT8, and EME and FT8 tropo on 2 meters. QSL direct to home call.

SPAIN, EA. Special event station AM1ASX is QRV **until July 30** to mark the Jacobean Holy Year 2021. Activity is on the HF bands using SSB, FT8 and FT4. QSL via EA1IQM.

FRANCE, F. Michel, F8GGZ will be QRV as TM108TDF on **July 17 & 18** to celebrate the 108th edition of the Tour de France race. QSL #1

ECUADOR, HC. Members of the Quito Radio Club will be QRV as **HD1QRC90 from July 17 to 25** to celebrate the club's 90th anniversary. QSL via EA5GL.

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

JAPAN, JA. Kenji, JA4GXS is QRV as JA4GXS/4 from Otsu Island, IOTA AS-117, **until July 17**. Activity is on 40, 20, 17, and 6 meters using CW, SSB and FT8. QSL #1

SVALBARD, JW. Look for a group of operators to be QRV as JW0W from Prins Karls Forland, IOTA EU-063, **from July 21 to 26**. Activity will be on the 80 to 10 meters using CW, SSB, and FT8 with four to five stations active. QSL via M00XO.

BRAZIL, PY. Mor, PT7ZT is QRV with special

call ZV32ZT **until August 13** to celebrate the XXXII Olympics. Activity is on the HF bands using SSB and various digital modes. QSL direct to home call.

ASIATIC RUSSIA, UA0. A group of operators are QRV as RI0FM from Moneron Island, IOTA AS-149, **until July 31**. Activity is on the HF bands using CW, SSB and FT8 with two stations active. QSL via UA3A.

BRUNEI, V8. In celebration of His Majesty Sultan Haji Hassanal Bolkiah Muizzaddin Waddaulah Ibni Al-Marhum, Sultan Haji Omar 'Ali Saifuddien Sa'adul Khairi Waddien, and the Yang Di-Pertuan Negara Brunei Darussalam 75th Royal Birthday, special event station V84SKP will be QRV **from July 18 to 24**. Activity will be on 40, 20, 15 and 10 meters using SSB, CW and FT8. QSL via operators' instructions.

INDONESIA, YB. Special event station 8B53BG is QRV to celebrate the 53rd anniversary of the Organisasia Amatir Radio Indonesia and ORARI Lokal Bogor. The length of the activity is unknown. [listed July 2021 – ed] QSL #2

CHATHAM ISLANDS, ZL7. Operators Chris, ZL2DX and Catherine, ZL2QT are QRV as ZL7DX and ZL7QT, respectively, from Waitangi, IOTA OC-038, **(until July 2021 – ed)**, on the HF bands & 6M EME. QSL via M00XO.

SPAIN, EA. ON6ZK will be QRV holiday style as EA7/ON6ZK from San Juan de Los Terreros from **July 15 to 23**. QSL via ON6ZK either direct or via the bureau.

SVALBARD, JW. The JW0W team of EA3HSO, LB1QI, LA5GI, LA7GIA, LA7THA and LA8OM plans to be QRV from Prins Karls Forland (EU-063), **from July 21 to 26**. QSL via M00XO's OQRS and LoTW

GUATEMALA, TG. Steve, K4IM is in Guatemala City **until August 15** and plans to use his TG9AWS call, using CW, SSB and digital modes on 40 to 6M. QSL via W3HNC or direct to K4IM.

CAPE VERDE, D4. Paco, EA7KNT will be operating D4SAL from Sal Island from **August 23 to September 5**.

Long Term (more than 1 month)

NIGERIA, 5N. Jean-Louis, ZS6AAG is now QRV as 5N9JLH while working with Doctors W/O Borders in Abuja **until Sept 15**, on 20 and 15M using SSB. QSL #2

TONGA, A3. Masa, JA0RQV is QRV as A35JP from Tongatapu Island, IOTA OC-049, **until October 30, 2021**. Activity is on 80 to 6 meters using CW, SSB and FT8. He also plans to visit other islands in IOTA groups OC-191, OC-123, OC-064 and OC-169 during this time. QSL #1

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

JAPAN, JA. Special event stations 8N1OLP, 8N2OLP, 8N3OLP, 8N4OLP, 8N5OLP, 8N6OLP, 8N7OLP, 8N8OLP, 8N9OLP and 8N0OLP are QRV **until September 5, '21** for the World Olympic and Paralympic Games. QSL #3

ANGOLA, D2. Paulo, CT1FJZ is QRV as D2FJZ from the Province of Cuando-Cubango until **September 2021** while on work assignment. Activity is on 80 to 10 meters using SSB. QSL direct to home call.

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

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

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

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

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

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

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

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

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

Until 2022

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

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

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

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

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

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

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

Until 2025

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

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) [inactive - Covid-19-ed]

ARRL Announces Free Exam Review Website

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

Other Free Practice Exam Sites:

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

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

This Practice Exam site Requires Registration

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

ARRL LAX Section Officers:

Section Manager: Diana Feinberg, AI6DF

PO Box 4678

Palos Verdes Peninsula. Ca 90274-9618

AI6DF@arrl.org 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.ARRLAX.org .

RF Safety – Power Density Web site:

http://hintlink.com/power_density.htm

Links: TRW license test

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

International Space Station (ISS) -145.800 MHz.

PodCast – Amateur Radio News

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

On-Line Stores / suppliers:

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

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

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

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

<http://www.dxengineering.com>

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

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

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

ARRL <http://arrl.org>

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

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

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

HARC Past & Current Presidents

1973 Doug Erny, AK7E (former W6NPD)

1974 Orson Just, K6JGV, sk

1975, 76 Tom Rothwell, K6ZT, sk

1977 Tom McInnis, WB6ZEB, sk

1978,79 Sam Weise, W6LXR

1980 Bob Poole, AJ6F, sk

1981 Russ Sanford, WA6NQO, sk

1982, 83 Chuck, KN6H

1984 John Bennett, WD6BAI

1985 Scott Fraser, KN6F

1986, 87 Ed, K6GQV

1988 John, WA6LOD

1989, 90 John, KJ6AW

1992 Bruce, WB6ARE

1993 Rick, KD6DYN

1994

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

2000,1,2 Bruce, W6BLS

2004,5,6 Ed, N6EG

2007 - 2014 Barry, KG6NWJ

2015, 16, 17 – Dale Birmingham, WB6MMQ

2018-19 Mike, N6MDV (Past President)

2020 – Brian, AB6UI (President)

Southern California Band Plans:

Tasma – 2 Meters

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

220 MHz Spectrum Mngmnt Assoc. of So. Ca

220SMA BAND PLAN

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

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

Month	6 AM	1 PM	4 PM	7 PM	6 AM	1 PM	4 PM	7 PM	6 AM	1 PM	4 PM	7 PM	6 AM
July	7/20			7/21		7/23	7/22	7/26	7/28	7/29	7/30		
Aug		8/2	8/3	8/5	8/6	8/10	8/11		8/12			8/13	8/17
Aug			8/19	8/18		8/20		8/23	8/25	8/26	8/27		

West Coast Qualifying Runs:

Wed July 28 @ 6 PM HST (0400 UTC on Thur. July 29) by KH6TU on 7047.5 & 14047.5 kHz **40 – 10 WPM**
Wed Aug 25 @ 9 PM PDT (0400 UTC ON Thur, Aug. 26) by K9JM on 3590 & 7047.5 kHz 10- to 40 WPM

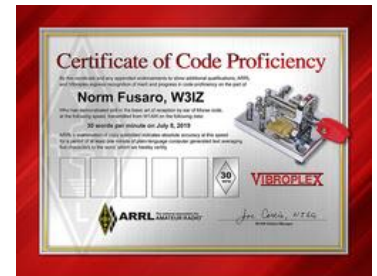
Earn your Code Proficiency certificate by legibly copying at least 1 minute of text by hand and mailing the sheet to: W1AW Qualifying Runs, 225 Main St., Newington, CT 06111. Include \$10 (check or money order) if this is a submission for your initial Code Proficiency certificate; \$7.50 if you are applying 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.



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

PRESIDENT:	Brian, AB6UI	President at W6HA.com
VICE PRESIDENT:	Howard, KE6MAK	W6HA_VicePresident at W6HA.com
SECRETARY:	James, W6JIC	W6HA at W6HA.com
TREASURER:	Paul, KK6TAC	Treasurer at W6HA.com
STATION MANAGER:	Mike, N6MHD	W6HASTationMgr at W6HA.com
Immediate PAST PRES.:	Mike, N6MDV	W6HA at W6HA.com

Committees:

NEWSLETTER EDITOR:	Dale, WB6MMQ	W6HA_Editor at W6HA.com
QUARTERMASTER:	Mike, N6MHD	W6HASTationMgr at W6HA.com
WEB MASTER:	Mike, N6MDV	W6HA at W6HA.com
MEMBERSHIP:	Dale, WB6MMQ	W6HA at W6HA.com
SCRRBA REP:	Ray, WA6NVL	WA6NVL at ARRL.net
MEETING HOST:	Dale, WB6MMQ	W6HA at W6HA.com
FoTL Conf. Rm. Coor:	Judi, KI6TKT	
FIELD DAY :	Individual Ops	FieldDay at W6HA.com
MEMBERSHIP:	Dale, WB6MMQ	W6HA at W6HA.com
NET COORDINATOR:	Howard, KE6MAK	W6HA at W6HA.com
YAHOO GROUPS MOD:	Richard KM6FP	W6HA at W6HA.com (http://groups.yahoo.com/w6ha)
CLASS MODERATOR:	Mike, N6MDV	W6HAClass at W6HA.com

CLUB REPEATER: W6HA 445.620 MHz (-) PL 127.3 Hz Location: Bldg. R1 roof
Packet (node :hughes) 145.61s W6HA

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

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

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

LAFD CERT Net: 1st Tuesday of the month, 7:00 PM

HAC NET: Hughes ARC - 14.233 mHz +/- QRM, 2nd, 4th, 5th Tuesdays, 2000 UTC (13:00 PDT) – Tests in , 2020

Club Shack: The club shack is in E1, Lobby D. There is a Kenwood TS-520 HF radio connected to an 40 –10 meter antenna. This station is open to all club members. (I would be happy to give a tour of the HF station in "Lobby D" to club members. Brian, AB6UI, Station Manager)

Club Newsletter: If you have items that would be of interest to the club, any comments, letters, or items for sale or trade please email it to Dale, WB6MMQ W6HA_Editor (at) W6HA.com. If anyone needs a club application, please contact Dale, WB6MMQ and one will be sent to you.

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

Web Site: <http://www.W6HA.com> or W6HA.com

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