



The Transponder



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

August 13, 2021 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVIII, No. 8

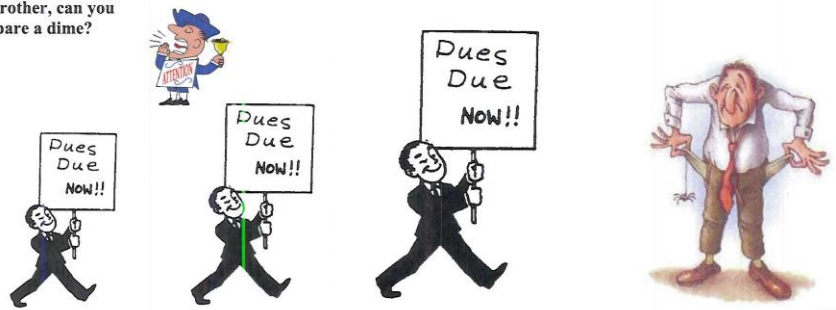
***** CLUB MEETING O-T-A (MOTA)*****

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, August 17, 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:

RFI Management

By Ray, WA6NVL

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:**Hughes H-4 Hercules – 75 Anniversary**

The 75 anniversary of the Hughes H-4 Hercules Flying Boat, aka The Spruce Goose, is coming up in about a year. So we are planning a Special Operating Event sometime next year. We are just starting the planning for this event, so not very much is certain except that we want to do it.

The first and only flight of the H-4 was on November 2, 1947. The name plate indicates that it was manufactured in 1948. So sometime between November 2, 2022 and the end of 2023 would be appropriate to celebrate the 75th anniversary. The Flying Boat is currently on display at the Evergreen Aviation and Space Museum in McMinnville, OR. So the first step is contacting them to see if they have any plans to celebrate the anniversary, so that we may coordinate with them.

Stay tuned for more information about this event.

Dale, WB6MMQ

Nonprofit Status

The officers of the club have all signed the Articles of Incorporation and the revised By-Laws, certifying the process and the vote. The revised by-laws are in effect. Next the Articles of incorporation need to be sent to the Secretary of State. The date that is stamped on to the document by the Secretary of State is the birth date of the Nonprofit Public Benefit Corporation.

Thanks to all for your continued support,

Dale, WB6MMQ. Chairman

HARC Dues were Due July 1st.

Believe it or not another year, Plus one Month, has gone by. The club's year runs from July 1st to June 30th. So, therefore, dues are due. Regular dues are \$20. Retired members pay \$15.

Normally, the treasurer, Paul, KK6TAC, will accept dues at the club meeting, but these days, put them in an envelope and mail them in. Paul's address is on the lower right of the attached 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

Contests / Special Events : August – Sept.**ARRL North American QSO Party – 2****Flavors** One flavor left, next weekend!

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](#)

Texas QSO Party CW, Phone, Digital**2021 CONTEST DATES**

Saturday September 18: 8 AM to 8 PM PDT

Sunday September 19: 8 AM to 2 PM PDT

Exchange: RS(T),Tx County or SPC. The purpose

of the Texas QSO Party is to provide a competitive

opportunity for Amateur Radio Operators any-

where in the world to contact as many Texas

stations in as many different Texas counties as

possible. There are no fees or entry forms. Just get

on the air and have a good time! [Rules](#)

CQ Worldwide RTTY DX Contest

Sept 25 – 26, 3.5 to 28 mHz. Held

each year on the last full weekend of

September, the contest draws over 15,000

participants and over 3,600 log submittals from

around the world. Exchange: RST, CQ Zone

(+state/prov for US/VE) [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 \$ 45.25

Income: Lunch: \$108.75 \$154.00

Recycling: 7/17/21 30.00 \$184.00

Room Rent-To General Funds: \$00.00 \$184.00

Starting - Kitty for Mar 17, 2020 Mtg: \$184.00

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

Hughes H-4 Herculees aka Spruce Goose

Fun Facts: How far did it fly?

With Hughes at the controls, David Grant as co-pilot, and several engineers, crewmen and journalists on board, the Spruce Goose flew **just over one mile at an altitude of 70 feet for one minute**. The short hop proved to skeptics that the gigantic machine could fly.

ARRL Letter - Excerpts of Possible Interest

CQ World Wide DX Contests to Include Youth Overlay Sept 25 – 26

Effective this fall, the CQ World Wide DX Contests (CQ WW) will offer a new Youth overlay, available to all competitors who are 25 years old or younger, as of the dates of the events. The Cabrillo overlay format will be **CATEGORY-OVERLAY: YOUTH**. To support this change, Youth overlay entries will be highlighted in the results, as is now done in the



case of Classic and Rookie entries. Plaques will be available for winners in this category.

CQ WW has also established a new [Explorer](#) category to allow amateurs to participate in the CQ WW Contest while experimenting creatively with internet-linked stations and other developing technologies. The goal is to encourage innovation in operating strategies, station design, and technology adaptation.

CQ WW Contest Director John Dorr, K1AR, reminds participants that audio recordings may be requested for your entry as part of the log-checking process. Any single operator entrant competing for a top five finish at the world, continent, or US levels -- including Classic Overlay -- must record the transmitted and received audio, as heard by the operator for the duration of the contest operation. Failing to respond to this request may result in your log being reclassified or disqualified.

"The combination of embracing new technology as well as recognizing the youth community among us is going to make CQ WW an even more popular event," Dorr said. "My thanks go out to the CQ

WW Contest Committee and others who helped make this happen."

ARRL Now Provides Free RF Exposure Calculator

The FCC has adopted guidelines and procedures for evaluating environmental effects of RF emissions. The new guidelines incorporate two tiers of exposure limits based on whether exposure occurs in an occupational or "controlled" situation, or whether the general population is exposed or exposure is in an "uncontrolled" situation.



Under the new FCC rules, some amateurs need to perform routine station evaluations to ensure that their stations comply with the RF exposure rules. This can be as simple as running an online calculator to determine the minimum safe distance between any part of your antenna and areas where people might be exposed to RF energy from your station. Although amateurs can make measurements of their stations, evaluations can also be done by calculation.

To make this easy for amateurs, ARRL now provides an [RF exposure calculator](#) on its RF Exposure page. To use the calculator, enter your transmit peak-envelope power (PEP) and operating mode, and answer the questions about the maximum amount of time you might be transmitting. The calculator will give you the minimum distance people must be from your antenna and human exposure.

You can print the results and keep them in your station records. There is no requirement to send your results to the FCC.

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](#).

Bouvet Island DXpedition Negotiating with New Charter Vessel, Planning Begins Anew

The [Intrepid-DX Group](#)'s plans for a 2023 DXpedition to Bouvet Island are on the front burner again. In a brief announcement to the



“global DX community,” DXpedition co-leader Paul Ewing, N6PSE, said this week that a new charter vessel contract is in the offing. The 3Y0J DXpedition has refunded all donations to its earlier announced plan, advanced before losing its contract with the charter vessel *Braveheart*, and

Ewing conceded, “there was a high degree of uncertainty that we could move forward.” *Braveheart* captain Nigel Jolly, K6NRJ, told the DXpedition in June that the *Braveheart* was being put up for sale, and he was canceling its contract for the 3Y0J voyage.

Ewing said this week that the team has found a suitable and affordable vessel whose skipper is willing to take a group of a dozen DXers to Bouvet, and they are negotiating the terms of that charter contract at present.

“We have submitted a new application to the Norwegian Polar Institute,” Ewing said. The team leadership has been revised. David Jorgensen, WD5COV, will be a co-leader, responsible for operations and antennas, while Kevin Rowett, K6TD, will be a co-leader, responsible for systems/networks, procurement, and logistics, and Ewing as a third co-leader, will oversee planning, public relations, tents, and logistics.

“Together, this leadership team will assemble 12 operators to make this vision a reality,” Ewing said. “We are revising our website, and soon, we will begin fundraising for this renewed effort.” He expressed gratitude for all past sponsors of the Bouvet Island DXpedition initiative and said he hopes they can support the renewed effort as well. A new website is under construction.

A dependency of Norway, Bouvet is a subantarctic volcanic island in the South Atlantic.

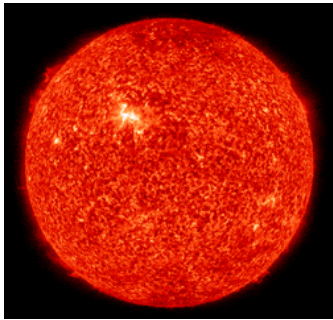
Follow the DXpedition plans from the [DXpedition website](#) and [Facebook page](#).

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Solar activity continues to be very weak, and the latest 45-day outlook seems to show more of the same. Sunspots only appeared on 3 out of the 7 days of our August 5 - 11 reporting week, and these appearances were not consecutive.

Average daily sunspot numbers actually rose a little, from 6 to 9.9. Average daily solar flux softened from 74.8 to 73.7.

Average daily planetary A index went from 8 to 6.3, while middle latitude averages were 7, down from 8.7 last week.



Predicted solar flux over the next few weeks shows a predicted maximum of only 75 on just one day, September 11. The solar flux forecast from USAF and NOAA shows 74 on August 12 - 14; 72 on August 15 - 19; 73 on August 20; 74 on August 21 - September 1; 73, 72, 72, 74, and 74 on September 2 - 6; 73 on September 7 - 10; 75 on September 11, and 72 on September 12 - 15.

Predicted planetary A index is 8 on August 12; 5 on August 13 - 14; 8 on August 15 - 16; 5 on August 17 - 22; 8, 12, and 8 on August 23 - 25; 5 on August 26 - September 1; 8 and 12 on September 2 - 3; 8 on September 4 - 6; 5 on September 7 - 11; 12, 10, 10, and 5 on September 12 - 15.

Sunspot numbers for August 5 - 11 were 36, 0, 0, 11, 0, 0, and 22, with a mean of 9.9. The 10.7-centimeter flux was 74.3, 74.4, 73.7, 73.5, 73, 73.3, and 73.8, with a mean of 73.7. Estimated planetary A indices were 3, 7, 11, 5, 5, 7, and 6, with a mean of 6.3. Middle latitude A index was 3, 9, 9, 6, 6, 9, and 7, with a mean of 7.

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)

August 14, 5 - WAE DX Contest (CW)
 August 14, 5 - Maryland-DC QSO P (CW, ph, dig)
 August 14, 5 - 50 mHz Fall Sprint (CW, ph, dig)
 August 15 -- SARL HF Digital Contest
 August 15 -- NJQRP Skeeter Hunt (CW, ph)
 August 15 -- FISTS Sunday Sprint (CW)
 August 15, 6 -- Run 4 Bacon QRP Contest (CW)
Aug 21- 22 - N. American QSO Party – SSB
 Aug. 28, 9 – [KANSAS QSO Party \(CW, Ph, Dig\)](#)
 Sept. 18,9 – Texas QSO Party (CW, Ph, Dig)
Sept. 25, 6 – CQ WW RTTY DX T (RTTY)

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](#).

- [Pittsburgh amateur radio group celebrates 80 years of providing emergency communications during disasters](#) / *Pittsburgh Post-Gazette* (Pennsylvania) August 9, 2021
- [Local Amateur Radio Club works with Estes Park Schools](#) / *Estes Park Trail Estate* (Colorado) August 9, 2021
- [Hurricane Maria cut off a Puerto Rican town. An amateur radio operator found a way out](#) / *Miami Herald* (Florida) August 8, 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:
 August 21 - 22 -- [ARRL Southeastern Division Convention](#) (Huntsville Hamfest), Huntsville, Alabama
 September 10 - 12 -- [ARRL New England Division Convention](#) (Northeast HamXposition), Marlborough, Massachusetts
 Find conventions and hamfests [in your area](#).

In Brief...

ARRL member and professional engineer Les Kramer, WA3SGZ, of Longwood, Florida, will be among the 2020 inductees into the [Florida Inventors Hall of Fame](#) on November 5.

The Hall of Fame at the University of South Florida in Tampa recognizes approximately seven Florida inventors every year for significant contributions to technology and society. Kramer holds 17 US patents and two overseas patents, spanning lower limb prosthetic devices to advances in electric power generation, IED detection, optical coatings for industrial processes, and dynamic electronic tagging using a sticky polymer. "One of my primary inventions is a [prosthetic foot](#) that returns energy to both the heel and the toe of the amputee, thereby giving the user a very lifelike feeling and natural control of the foot," said Kramer, who is Vice President of Engineering and Manufacturing at TaiLor Made Prosthetics, LLC, in Orlando. The prosthetic foot is used by some 3,000 people worldwide, including two Boston Marathon bombing victims. Kramer said amateur radio has played a key role in his success as an inventor. He has been a ham since 1959 and an ARRL member for more than 50 years.



The Intrepid-DX Group has Announced its Essay Contest Winners

Faith Hannah Lea, KD3Z, is the first-place winner of the Intrepid-DX Group First Annual [Youth "Dream Rig" Essay Contest](#). She'll take home an Icom IC-7300 transceiver, a vertical flagpole antenna from Greyline Performance Antennas, a Heil Sound headset, a Powerwerx power supply, and a Morse QRP Nano Morse Code Key-25-811-P. Second-place winner Charlie Meadows, N4VTI, is the recipient of a Yaesu FT-65R radio and a \$50 DX Engineering gift card. Patrick Gawthrop, W9GGG, was the third-place winner. He received a BaoFeng



BF-F8HP radio and a \$50 DX Engineering gift card. "We received over 60 essays from all over the world," Intrepid-DX President Paul Ewing, N6PSE, said. "The essays were unique in thought and very well-articulated. Extra points were given for proper grammar, punctuation, and spelling. Most of the essays gave unique perspectives on how to reach out and connect with the youth of today. [W]e can tell you that our youth are full of great ideas and brimming with enthusiasm to keep our hobby alive well into the future." The Intrepid-DX Group plans to publish several of the essays on its Facebook page.

Announcements

- **WSJT-X rev 2.5.0-rc5 "release candidate" is [now available](#).** These releases are intended for beta testers -- individuals interested in testing the program's new features and providing feedback to the WSJT Development Team. This is the fifth candidate release for WSJT-X 2.5.0, offering several enhancements and bug fixes. On Windows platforms, it includes MAP65 3.0.0-rc5, a wideband polarization-matching tool intended primarily for EME.
- Members of Switzerland's IARU member-society ([USKA](#)) with support from the Radio Amateur Club Swissair (HB9VC) will celebrate the 60th anniversary of the Antarctic Treaty with special event station HB60ANT until the end of 2021. QSL via Club Log OQRS (no QSL needed).
- **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?)**ARLD032 DX news**

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

UGANDA, 5X. Elvira, IV3FSG will sign 5X3R **from August 13 to September 2**. She will have 100 watts to a dipole, doing SSB, digital and CW. QSL via IK2DUW or via the bureau.

SPAIN, AM. Members of the URE Burgos are active **until August 18** with the special call sign AM1CCB to mark the 800th anniversary of the Burgos Cathedral. In 1984, the Cathedral was declared a UNESCO World Heritage Site. Ops include EA1FE, EA1BHB, EA1GLY, EA1JAI, EA1EC, EA1XY, EA1FGJ, EA1IUM & EA1ARW. QSL via LoTW, via the Bureau, eQSL or direct to: UREBU, P.O. Box: 444, 09080 Burgos, Spain.

REPUBLIC OF KOREA, HL. Special event station HL76V is QRV **during August** in celebration of Liberation Day which is held on August 15. QSL via 6K0MF.

THAILAND, HS. Special event station HS18IARU is QRV **until September 30** to celebrate the 18th IARU Region 3 Conference in Bangkok. QSL via E21EIC.

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

CAPE VERDE, D4. Paco, EA7KNT will be active as EA7KNT/D4 or D4ASL from Sal Island (AF-086) from **August 23 to September 5**.

KYRGYZSTAN, EX. Andrea, HB9DUR is active as EX0DX from Bishkek. The length of his stay is unknown. **[listed Aug. 2021 – ed]** Activity will be as time permits on various HF bands. QSL via his home call sign, LoTW, ClubLog's OQRS or eQSL.

SAN ANDREAS ISLAND, HK0. Pedro, HK3JJH

is using call HK0/HK3X. length of stay unknown. **[listed Aug. 2021 – ed]** Activity is mainly on 20M using FT8 (F/H). QSL via JH1AJT.

SOUTH KOREA, HL. Members of the Korean Amateur Radio League (KARL) Chungbuk HQ have activated special event station HL76V to celebrate 76th anniversary of South Korea's Liberation. Activity will continue until **August 31**. QSL via the Bureau.

FALKLAND ISLANDS. Matthew, M0ZMS is QRV as VP8ZMS **until late August** while active at the RAF station at Mount Pleasant. Activity is on the HF bands using various digital modes, CW, and some SSB. QSL via LoTW.

MEXICO, XE. Special event station 6E0D is QRV **during August** to commemorate 500 years since the fall of Tenochtitlan, the capital of the Aztec Empire. QSL direct to XE1EE.

PERU, OA7. Arno, DL1CW will be active as OA7/DL1CW **until September 1**. Activity will be on 40 to 10 meters. QSL via his home call sign, via the Bureau or LoTW.

PERU, OA. Alex, DD5ZZ is QRV as OA7/DD5ZZ from Cusco **until September 17**. Activity is on 40 to 10 meters using SSB, FT8 and FT4, and possibly CW. QSL via DD5ZZ.

MOROCCO, CN. Bruno, IW5BBV is QRV as CN2BBV from various locations **until August 30**. Activity is on 40 and 20 meters using SSB. QSL to home call.

DOMINICAN REPUBLIC, HI. Max, HB9TUZ is QRV as HI9/HB9TUZ from Las Terrans **during August**. He is active on 40 to 10 meters using SSB. QSL via operator's instructions.

DODECANESE, SV5. Mort, G2JL is QRV as SV5/G2JL from Lipsi Island **for the next three months**. **[listed Aug. 2021 – ed]** Activity will be on all bands and modes, Propagation permitting. Current operations have been on 20 meters CW. QSL via his home call sign, direct or via the Bureau. Also, Reiner, DL2AAZ will be active as SV5/DL2AAZ from Rhodes (EU-001) from **September 5 to 19**. Ops will be holiday style on 40 to 10 M and the QO-100 satellite, using CW &

SSB. QSL via DL2AAZ, direct or via the Bureau.

CORSICA, TK. Frans, DJ0TP is now active as TK/DJ0TP from Linguizetta **until September 14**. QSL via LoTW or via the Bureau.

ALBANIA, ZA. Janos, HA7NB will be active as ZA/HA7NB/P **until August 15**. Activity is on 40, 20 & 15M using SSB, FT4/FT8 & RTTY, also the QO-100 satellite. QSL only via eQSL & LoTW.

ALAND ISLANDS, OH0. The SP1KRF Team will activate OH0KRF from **August 23 to 29**. Ops will be on 80 to 10 M using SSB, CW, FT8/4 and RTTY. Ops include SP1EG, SP1F, SP1IVL, SP1VAX, SP1Z and SQ1WO. QSL via SP1KRF.

CAYMAN ISLANDS, ZF. Pete, K8PGJ will be active as ZF2PG from **August 15 to 21**. Activity will be on 160 to 10 meters. This includes being an entry in the upcoming North American SSB QSO Party. QSL via LoTW.

CANADA, VE. The Moncton Area Amateur Radio Club celebrates its 85th anniversary with the call sign VE9M85A **until August 30**. QSL via bureau or eQSL.

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

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.

CAPE VERDE, D4. Paco, EA7KNT will be

operating D4SAL from Sal Island from **August 23 to September 5**.

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

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

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.

Long Term (more than 1 month)

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

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

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

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

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

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

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

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

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

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

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

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

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

Until 2022

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 N4GMR.

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

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

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

Until 2025

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

Notes:

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

AMATEUR RADIO LICENSING EXAMS:

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

(www.W6TRW.com) [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.ARRLLAX.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
Aug	8/17		8/19	8/18		8/20		8/23	8/25	8/26	8/27		
Sept.			9/7	9/9	9/10	9/14	9/15		9/16				9/17
Sept.	9/21		9/23	9/22		9/24		9/27	9/29		9/30		

West Coast Qualifying Runs:

Wed Aug 25 @ 9 PM PDT (0400 UTC on Thur, Aug. 26) by K9JM on 3590 & 7047.5 kHz – 10 - 40 WPM
 Sat. Sept 25 @ 2 PM PDT (2100 UTC) on by K6KPH on 3581.5, 7047.5, 14047.5 & 18097.5 kHz – 10-35 WPM

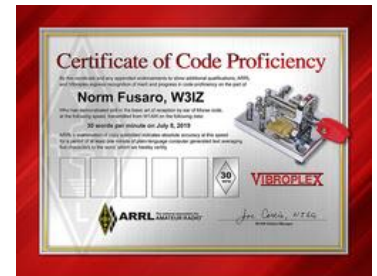
Earn your Code Proficiency certificate by legibly copying at least 1 minute of text by hand and mailing the sheet to: W1AW Qualifying Runs, 225 Main St., Newington, CT 06111. Include \$10 (check or money order) if this is a submission for your initial Code Proficiency certificate; \$7.50 if you are applying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