



# The Transponder



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

August 13, 2023

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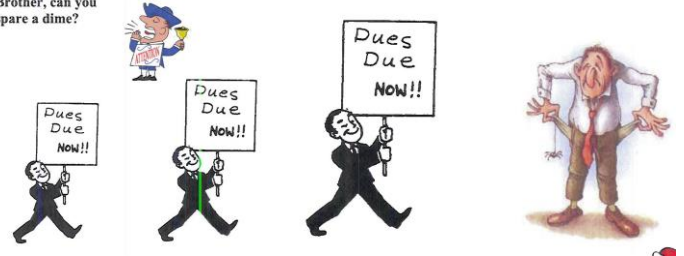
**\*\*\* CLUB MEETING (In-Person) \*\*\***

**Meeting Notice:** Where: **Raytheon Employee’s Park**  
Location: **El Segundo Blvd., El Segundo, CA 90245**  
2000 El Segundo Blvd., El Segundo, Ca 90245  
Date: **Saturday, August 19, 2023**  
Time: **Pre-Meeting: 11:45 Gather, Exchange Greetings [Setup 11:30]**  
**Meeting Call to Order: 12:00 to 1:00 PM**

**Featured Presentation:**

Antenna Demo – 40 -10M Delta Loop  
Radios: Icom 7100 and/or 7300 possibly others  
Demo of a WSPR Beason is a possibility

Brother, can you spare a dime?



**Up Coming Events:**

2023 – Hughes ARC’s 50<sup>th</sup> Anniversary Year as a Radio Club

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**Lunch: In the park – Hot Dogs**

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) – 16 oz Water (50 cents)

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

Wednesday Evenings at 7:30 PM – Trivia Net on Repeater (then Simplex @ 146.550), then C\$FM Digital  
Thursdays Noon (12:05 PM) RTX & others Em Comm Teams (ECT) -1<sup>st</sup> Thursday Formal – others Round Table

Transponder deadline for Submittal of Articles: Wednesday before the third Tuesday of the month.

**Club News:****The August Club Meeting**

August's meeting will be held at the Raytheon Employee's Park in El Segundo which is at the South East corner of El Segundo Blvd. (Address 2000 East El Segundo Blvd. El Segundo, Ca 90245).

The main reason is that the Masonic Center is Refurbishing the meeting area that we have been using for the last several months. The refurbishment is expected to be completed in August so in September we will be back at the masonic Center.

But also, before the pandemic, we had been varying our meeting times and places to allow members to attend that could not make it to weekday meetings at noon. However pleasing everyone is not possible. I have already been notified by one person that Saturday does not work for him. Other possible variations may include weekday evenings.

An advantage of the park is that it does allow demonstration of radios and antenna, which planned. An on the air event, the North American QSO Party will be starting at 11am, which may be of some interest.

**Lunch:** For Lunch, Mike, N6MHD is planning to fire up the BBQ and bring Hot Dogs, condiments and Potatoe Salad. I'll bring the usual Playmate of sodas. If you would like to contribute to the food, coordinate with Mike ([N6MHD@ARRL.net](mailto:N6MHD@ARRL.net)) to avoid duplication. A couple bags of chips might be nice.

See Ya All There!

73 Dale, WB6MMQ

**Contests/Special Events: Aug./Sept**

**August:** North American (NA) QSO Party, SSB

**DATE:** Aug. 19, (11 am) to Aug. 19 (9:59 PM)

**Object:** To work as many NA stations as possible during the contest period.

**NA Station:** Defined by the ARRL DXCC List, with the addition of Hawaii.

**Exchange:** Operator name and station location (state, province, or country). [Rules](#)

**September:** Route 66 On the Air

**DATES:** September 9 - 17. Special Event!

**Object:** Contact stations from Santa Monica to Chicago (21 Stations, W6A – W6U ) in various cities and locations along Route 66. [Rules](#)

**Field Day – Prelim Score: 5421**

Photo Credit: Ray, WA6NVL

The club had a great Field Day and our results are improved over last year, **considerably**. Our estimated score is 5421 Vs. 3674 in 2022. A big reason is that we had significantly more CW contacts at both 40 meters (44) and 20 meters (269) all of which receive a 2x multiplier.

Another reason, the bands were good!

Summarizing: Operating Bands QSO Points: 3246

GOTA Station bonus Points: 465

Bonus points (18 categories): 1710

Estimated Total Score: 5421

**HARC Dues are Due as of July 1<sup>st</sup>**

Believe it or not another year has passed. The club's year runs from July 1 to June 30. So, therefore, dues are due. Regular dues are \$20 and for retired members, \$15. The treasurer will accept dues at the club meeting. 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 1<sup>st</sup> are paid through June of 2024.

## **ARRL Letter - Excerpts of Possible Interest** **ARRL Files Comments Against "Seriously Flawed" Shortwave Rules Petition**

ARRL, as part of its mission to protect Amateur Radio, has filed [comments against a proposal](#) that would introduce high-power digital communications to the shortwave spectrum that in many instances is immediately adjacent to the Amateur HF bands.

The "Shortwave Modernization Coalition" (SMC), which represents certain high-frequency stock trading interests, filed [the petition](#) with the Federal Communications Commission (FCC). (**Previous coverage can be found on [ARRL News](#).**) ARRL responded on behalf of its members and the 760,000 licensees of the Amateur Radio Service in the US.

The ARRL Laboratory performed a detailed technical analysis over several months to determine if the proposed rules would affect operations on the bands allocated to Radio Amateurs that are inter-mixed with the Part 90 bands in the spectrum in question.

ARRL's analysis determined that, if the proposed rules are adopted, the new operations inevitably will cause significant harmful interference to many users of adjacent and nearby spectrum, including Amateur Radio licensees. Ed Hare, W1RFI, a 37-year veteran of the ARRL Lab and internationally recognized expert on radio frequency interference, was the principal investigator on the study. Hare concluded the petition should not be granted. "This petition seeks to put 50 kHz wide, 20,000-watt signals immediately next to seven different amateur bands with weaker protections against interference than required in other services," said Hare.

In its formal opposition, ARRL stated, "That destructive interference would result if operations commenced using anything close to the proposed maximum levels."

ARRL's filed comments highlight flawed analysis and incomplete data submitted by the petitioners. It noted the petitioners "...significantly understate the harmful interference that is not just likely, but certain, if the rules proposed by SMC are adopted as proposed. It is noteworthy that SMC's proposed rules would provide less protection than the much-lower power amateur radio transmitters are required to provide Part 90 receivers." ARRL's opposition also noted that there was no reported tests conducted with Amateur or other affected stations, but referenced a spectrum capture in the Comments filed with the Dayton Group that showed actual interference into the Amateur 20-meter band from one of the High Frequency Trading experimental stations.

Part 90 HF rules currently authorize a maximum signal bandwidth equal to a voice communications channel, at

up to 1000 W peak envelope power (PEP). The petition seeks multiplication of signal width, greater transmitted power, and weaker rules that protect users of adjacent spectrum. ARRL's comments expose the likely fallout:

"Incredibly, notwithstanding the significant increase in potential interference that would result from using digital schemes with 50 kHz bandwidths and 20,000 watts of power, SMC also proposes to substantially lessen the protections required to protect adjacent and neighboring licensees. SMC proposes [out-of-band emissions] limits that offer less protection than the existing Part 90 limits and would actually permit no attenuation (0 dB) at the edge of adjacent allocations, many of which are bands allocated to and heavily used in the Amateur Radio Service. Consistent with lessening protections while increasing the potential for harmful interference, SMC also proposes a lower limit for spurious emissions. SMC would reduce the existing protection of -73 dB for the applicable 1000-watt power limit to just -50 dB protection for their proposed 20,000-watt limit. Due to the much wider 50 kHz proposed bandwidth, the resulting interference would penetrate deep into the adjacent Amateur bands."

The proposal has been assigned FCC Docket No. RM-11953. While the period for commenting on the petition has now closed, replies to comments in the record may now be submitted.

Hundreds of licensed Radio Amateurs filed comments in the Docket, expressing overwhelming opposition to the proposal. Those interested may read ARRL's full comments and the results of the technical analysis, which are included in the filing. "If granted as written, this would be devastating to Amateur operation for many tens of kHz into our bands," said Hare.

ARRL will continue to advocate for its members and the Amateur Radio Service in this proceeding.

Read ARRL's Opposition and the ARRL Lab's technical analysis [here](#).

## **A HABGab and StratoScience Balloon Launch Is Scheduled for July 22, 2023**

HABGab 2023 is a special STEM event for the ham radio community in the New England area and it is in partnership with the New England Weather Balloon Society and the [Sci-Tech Amateur Radio Society](#). It features the launch of a high-altitude balloon equipped with three payloads, including amateur radio transmitters, a video transmitter, and science and engineering projects by students from the StratoScience Lab at [New England Sci-Tech](#) and the [Benjamin Franklin Classical Charter Public](#)

[School](#). The StratoScience Lab is a class taught by Max Kendall, W0MXX, and Seth Kendall, KC1PZY. The balloon can carry a payload of 2,000 grams (just over 70 ounces).

A cross-band UHF/VHF repeater will allow for a 2 - 3-hour one-time event for hams around New England. All amateur radio operators are invited to contact the repeater during the balloon's flight.

The balloon will also be transmitting live video on 1.2 GHz, and live streaming to [YouTube](#) from the ground station at New England Sci-Tech.

Using the call sign W1U, the balloon's real-time position will be available at <https://amateur.sondehub.org>, and the cross-band repeater frequencies are as follows:

Uplink: 146.55 MHz

Downlink: 446.05 MHz

The call signs for all of the payloads are as follows:

W1U - Main payload (transmitted by repurposed RS-41 radiosonde).

W1U-15 - Main payload (transmitted by custom-built APRS transmitter).

W0MXX-15 - An autorotation device. A small, unpowered helicopter that will separate from the main payload at 81,000 feet and descend to the ground via autorotation. The tracker is a LightAPRS module.

KC1SFR-11 - A glider that will separate from the main payload at 80,000 feet and glide back to the ground. It will also deploy a parachute at roughly 3,000 feet.

Also on board will be a U4B pico tracker that is being evaluated by Eric Johnson, KC1OAV, in preparation for a circumnavigation flight to happen at a later date. This can be tracked separately at <http://grp-labs.com/tracking.html>, under the name NESciTech1.

In the event of bad weather July 23, 2023, is the alternate date for the launch.

HABGab 2023 has been made possible by a grant from [ARRL](#).

### Commercial Interests Petition FCC for High Power Allocation on Shortwave Spectrum

The ad hoc group Shortwave Modernization Coalition petitioned the Federal Communications Commission (FCC) to allow data communications on multiple bands within the HF 2 - 25 MHz range

with up to 20 kW, including on bands immediately adjacent to spectrums allocated to the Amateur Radio Service. This group appears to represent high-speed stock trading interests. The FCC has assigned the public notice as docket number RM-11953. Comments are due by July 31, 2023, and comment replies are due by August 15, 2023. While the petitioners exclude the amateur bands, high-power operations on immediately adjacent bands are proposed. ARRL is reviewing the petition.

A PDF of the petition is available at:

<https://www.fcc.gov/ecfs/document/1042840187330/1>.

### Announcements

**Planning is underway for the 2023 Route 66 On the Air Special Event on September 9 - 17.** This will be the 24th year of the event has been running. It was started by the Northern Arizona DX Association (NADXA) and is now coordinated by the Citrus Belt Amateur Radio Club (CBARC) in San Bernardino, California. Twenty-one special event stations along the route from Santa Monica, California, to Chicago, Illinois, are expected to participate in 9 days of operating opportunities. The special event celebrates the history of the Mother Road that began in 1926, when US Highway 66 was established. It was the first major improvement to the link between the west coast and the nation's heartland. Through stories, songs, and TV shows, the highway came to symbolize the freedom of the open road, inspiring many to see America in its entirety. The demise of Route 66 began in the 1950s, as construction began on the new interstate highway system. US Route 66 was officially decommissioned in 1986, but today, small portions of the highway still exist in several states. More information on the event will be available soon at the [Citrus Belt Amateur Radio Club \(CBARC\)](#) website or on their [Facebook](#) page.

### In Brief...

**The 3<sup>rd</sup> annual Masonic Lodges on the Air (MLotA), an amateur radio special event, will occur on Saturday, September 23, 2023, from locations across the United States.** The event is open to all amateur radio operators. The idea for the event grew from the realization that many Freemasons also have a love for amateur radio. The [Fulton County Amateur Radio Club](#) and Ohio's Fulton Lodge #248 first hosted the event in 2021.

The mission is to promote fraternal bonds within the ranks for Free and Accepted Masonic lodges and its many amateur radio operators, who are also brothers in the fraternity while encouraging contact with amateur radio operators around the state, county and world. The event will take place from 10:00 AM - 6:00 PM ET, on 80 - 40 - 20 -15, and 10 meters SSB. Amateur radio participants are asked to honor all band plans, and all contacts must be on the phone portion of the bands. Stations may be contacted once on each band. Complete contest rules and more information can be found at [cqmo-relight.com/rules](http://cqmo-relight.com/rules).

Visit the ARRL Special Event Stations database at [www.arrl.org/special-event-stations](http://www.arrl.org/special-event-stations), to find other on-the-air events and commemorations.

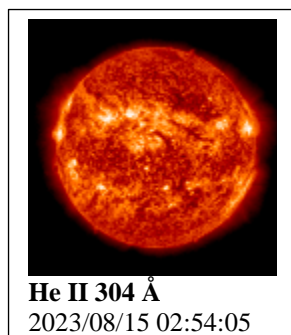
**Amateur radio operators are needed for a real-world science experiment during upcoming solar eclipse events.** Members of the [Ham Radio Science Citizen Investigation](http://HamRadioScienceCitizenInvestigation) (HamSCI) will be making radio contacts during the 2023 and 2024 North American eclipses and probing the Earth's ionosphere. The Solar Eclipse QSO Parties (SE-QPs) are set to be fun and friendly with a competitive element, and all amateur radio operators and shortwave listeners are invited to participate. The upcoming eclipses (October 14, 2023, and April 8, 2024) provide unique opportunities to study interactions between the sun and the ionosphere. As participants and HamSCI members transmit, receive, and record signals across the radio spectrum during both eclipse events, valuable data will be created to test computer models of the ionosphere. Learn more at <https://hamsci.org/projects>. *ARRL is a partner with HamSCI for the SEOP.*

### **The K7RA Solar Update**

Tad Cook, K7RA, of Seattle, Washington, reports for this week's ARRL Propagation Bulletin, ARLP032:

Two new sunspot groups appeared on August 3, and then three more appeared on August 7, followed by another on August 9.

But solar activity was lower during our current reporting week of August



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3 - 9, with the average daily sunspot number dropping from 154.3 to 108.9, and average solar flux from 173 to 166.4.

The average daily planetary A index rose from 8.3 to 12.3, and the average middle latitude A index rose from 9.3 to 10.1.

The middle latitude A index on August 3 - 4 was not available, so I estimated the value based on the planetary A index and remaining five middle latitude readings for the rest of the week.

Predicted solar flux is 150 on August 10 - 12; 145, 140, 130, and 135 on August 13 - 16; 162 on August 17 - 18; 164 on August 19 - 20; 168 on August 21 - 23; 172, 172, and 170 on August 24 - 26; 172, 172, and 174 on August 27 - 29; 172, 172, and 170 on August 30 - September 1; 168, 168, 166, and 164 on September 2 - 5, and 162, 162, 164, and 164 on September 6 - 9.

Predicted planetary A index is 12 on August 10; 5 on August 11 - 14; 12 and 8 on August 15 - 16; 5 on August 17 - 25; 12 on August 26, and 5 on August 27 - September 4.

On August 9, [Spaceweather.com](http://Spaceweather.com) wrote about a 1940 geomagnetic storm that sounds similar to the infamous Carrington Event.

Two coronal mass ejections hit Earth, each 109 minutes apart. Read a recent scientific paper on the event at <https://bit.ly/3s1VrMh>.

Check out the following articles on solar flares:

<https://bit.ly/3KXIUI1>

<https://bit.ly/3qj0pE6>

<https://bit.ly/3QPYPV9>

<https://bit.ly/45naVsF>

Space weather forecaster Dr. Tamitha Skov, WX6SWW, recently uploaded this video:

<https://youtu.be/Olfjss8GmSI>

Sunspot numbers for August 3 - 9, 2023, were 124, 122, 100, 97, 101, 115, and 103, with a mean of 108.9. The 10.7-centimeter flux was 162.9, 170.8, 175.8, 173.5, 169.7, 158.9, and 153.4, with a mean of 166.4. Estimated planetary A indices were 6, 13, 36, 4, 12, 8, and 7, with a mean of 12.3. Middle latitude A index was 5, 12, 24, 4, 11, 7, and 8, with a mean of 10.1.

Send your tips, questions, or comments to [k7ra@arrl.net](mailto:k7ra@arrl.net).

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](#) Propagation Page of Carl Luetzelschwab, K9LA.

A propagation bulletin [archive](#) is available. For customizable propagation charts, visit the [VOACAP Online for](#)

[Ham Radio](#) website. [Share](#) your reports and observations.

A weekly, full report is posted on [ARRL News](#)

**Just Ahead in Radio Sports**

(C=Challenge, T=Contest, P=Party, S=Sprint)

Yearlong -- [ARRL Volunteers On the Air](#) (VOTA).

See the State Activations Schedule for weekly

[W1AW Portable Operations](#), including:

August 9 - 15 -- New Jersey, W1AW/2

August 16 - 22 – Vermont, W1AW/1

August 16 - 22 – Oklahoma, W1AW/5

August 23 - 29 – North Dakota, W1AW/0

August 23 - 29 – Idaho, W1AW/7

August 30 – Sept.5 -- Arizona, W1AW/7

August 30 – Sept.5 -- Ohio, W1AW/8

**Contests:**

Aug. 14 – 4 States QRP Grp 2<sup>nd</sup> Sun Sprint cw, ph

Aug. 16 –VHF-UHF FT8 Activity T, FT8)

Aug. 19,20 -- 10 GHz and Up T (CW, ph, dig)

August 19-20 – NA QSO P SSB (ph)

Aug. 20 – ARRL Rookie Roundup, RTTY (dig)

August 26,8 – Hawaii QSO Party (cw, ph, dig)

August 26,7 – Kansas QSO Party (cw, ph, dig)

August 26,7 –Ohio QSO Party (cw, ph)

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.

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

In the West or near members anywhere:

August 12 - 13 | [2023 ARRL Rocky Mountain Division Convention](#), Albuquerque, New Mexico

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

A list of all ARRL-sanctioned hamfests and conventions is published at [www.arrl.org/hamfests](http://www.arrl.org/hamfests) and includes these upcoming events:

**FOR SALE:** Tektronix oscilloscope plug-ins -- 7B80 Time Base, 7B85 Delaying Time Base, 7A18 Dual Trace Vertical Amplifier, 7A18A Dual Trace Vertical Amplifier, and 7A19 Vertical Amplifier. Twenty-five dollars each or all five for \$100. Contact Mark at [skidmr01@gmail.com](mailto:skidmr01@gmail.com) or 562-810-0601.

**FOR SALE:** W2ENY remote interface for ICOM 746 or 706 \$25

Contact: [Richard5@flash.net](mailto:Richard5@flash.net) or 424-301-1743

**FOR SALE:** Vibroplex chrome deluxe base vibrokeyer. Red paddles. \$100

Contact: [Richard5@flash.net](mailto:Richard5@flash.net) or 424-301-1743

**FOR SALE or Trade:** RIGBLASTER model M8C multi-mode interface in box. Manual shows hookups for Icom, Yeasu, Kenwood, Ten-Tec and many others. Factory software included. \$ 40.

Contact: [Richard5@flash.net](mailto:Richard5@flash.net) or 424-301-7516

**WANTED:** COMET/DIAMOND 144/430 base antenna – Available for Trade: DIAMOND F-23 big base antenna 145 mHz.

Contact [Richard5@flash.net](mailto:Richard5@flash.net) or 424-301-7516

**FOR SALE:** Vibroplex VibroKeyer single lever keys:

1. Tan base standard 1960s sn scale 9 out of 10, Looks Great \$100 obo

2. Chrome base deluxe 1960 sn mid 60s very light pitting on top of base. 8 out of 10. \$100

Contact: [Richard5@flash.net](mailto:Richard5@flash.net) or 424-301-7516

**FOR SALE:** White Marble Base

HEAVY - for straight key or ???? Several sizes \$5ea

Contact: [Richard5@flash.net](mailto:Richard5@flash.net) or 424-301-7516

**FOR SALE:** Coax, New, RG152/RG316 teflon/silver, 50 ft. with special PL259 reducer \$20

Contact: [Richard5@flash.net](mailto:Richard5@flash.net) or 424-301-7516

**FOR SALE:** Transceiver, 40 meters,QRP, ¼ to ½ watt (7.030 mHz) w/key, phones & antenna; needs 9-12v Battery; Built into a plastic case, \$20

Contact: [Richard5@flash.net](mailto:Richard5@flash.net) or 424-301-7516

**FOR SALE:** Crystals – 40 meters - 7.023, 7.122, 7.114, 7.110, 7.045, 7.040, 7.055, 7.050, 7.035; Only 1 of each! \$3.00 Each

Contact: [Richard5@flash.net](mailto:Richard5@flash.net) or 424-301-7516

**Lunch Kitty Financials:**

Lunch Kitty Financials:		July	2023
Attendance: 12			
		Lunch Kitty, Starting Balance:	<b>\$286.50</b>
<b>Expenses:</b>	Pizza (3), Salad =	\$95.00	
	Soda: 14 @ 0.71 =	\$10.00	
	Water: 1 @ 0.25 =	\$0.25	
	Food Total:	\$105.25	\$181.25
<b>Income:</b>	Lunch: =	\$110.75	\$292.00
	Room Rent - To General Fund:	\$0.00	\$292.00
	Starting Kitty for August 19, 2023 Mtg.		<b>\$292.00</b>
July	<b>Gain / Loss:</b>	<b>\$5.50</b>	

**Select DX News** (QRV = Ready! or Are you Ready?)**ARLD032 DX news** [Note: 'T' = contest]

This week's bulletin was made possible with information provided by DX News, Thanks to all.

BELIZE, V3. Jeff, W3AAB will sign V31JN until **August 25**. QSL via W3AAB, direct or bureau.

NAMIBIA, V5. Dieter, DL5GAN will be active as V5/DL5GAN **from Aug.14 to Sept. 7** on 40 to 10 meters using CW, SSB and FT8. QSL via DL5GAN direct or bureau.

SOUTH KOREA, HL. Members of the Korean Amateur Radio Organization (KARL) mark the 78th anniversary of their country's liberation with the call sign HL78V **during August**. QSL to 6K0MF via bureau.

NORWAY, LA. Chris, OE6CUD plans an extended road trip **from Aug. until the end of Oct.**, visiting the islands Vaeroy (EU-055), Lofoten (EU-076), Vesteralen (EU-033), and Senja (EU-046). He will be QRV as LA/OE6CUD on HF CW and on QO-100. QSL via OE6CUD direct or bureau.

ICELAND, TF. Lau, PF3X will be QRV until **Aug. 25** as TF/PF3X on 160 to 6 meters using SSB and digital modes. QSL via PF3X direct or LoTW.

ST. KITTS AND NEVIS, V4. Gary, G0FWX will operate holiday style from V47JA's station as V47FWX **until August 26**. He will be QRV only on SSB. QSL via M0URX (OQRS).

NORTHERN MARIANA ISLANDS, KH0. Uli, DL2AH will put Rota Island on the air **from Aug. 13 to Sept. 14** as KH0/DL2AH on 80 to 6 meters using SSB and FT8. QSL via DL2AH direct, LoTW or eQSL.

TAIWAN, BV. Special event station BU0SAR is QRV **until August 31** to mark the 10th anniversary of New Taipei's Urban Search and Rescue Unit. QSL via BV5OW

INDIA, VU. In celebration of India's 76th anniversary of Independence, Vijayyan, VU2WDP will be operating as AT2CMN from Pollachi, Tamilnadu **from August 10 to 31**. QSL via VU2WDP.

MALTA, 9H. Members of the Marconi Radio Circle and Central Radio Amateur Circle will be operating with special call 9H6XPO in Imtarfa **from Oct. 2 to 6**.

CORSICA, TK. Alex, SQ9UM will be operating from two locations. His first stop will be in Porto Vecchio where he will be QRV as TK/SQ9UM **from August 18 to 25**, and then Calvi from **August 25 to 31**. QSL via SQ9UM.

FRANCE, F. TM0BSM will be active from **Aug. 16 to 21** from the lighthouse at Berck-sur-Mer. They will be using CW, SSB and digital modes on HF and the QO-100 satellite. The ops are DJ5KX, DJ8EI, DK5OPA, DL1DCT, DL5KA and DL8KR. QSL via LoTW, only

MINAMI TORISHIMA, JD1. Take, JG8NQJ is QRV as JG8NQJ/JD1 **until October 19**. Activity is in his spare time using CW and FT8. Lately he has been active using FT8 on 17 meters around 2100z. QSL via JA8CJY.

REPUBLIC OF KOREA, HL. Wouter, PB1WL is QRV as HL4/PB1WL **until August 16**. QSL #1

SOUTH KOREA, HL. Wouter, PB1WL is planning to be active as HL4/PB1WL **until August 16**. QSL #1

ZIMBABWE, Z2. Eddy, OE3SEU is QRV as Z21MV **through August**. He is active on Satellite QO-100 using SSB. QSL via LoTW.

GABON, TR. Roland, F8EN is QRV as TR8CR **until August 12**. Activity is on the HF bands using CW. QSL via F6AJA.

EQUATORIAL GUINEA, 3C. Ersoy, TA2OM continues to be QRV as 3C3CA from Bioko Island, IOTA AF-010, **until August 30**. QSL #1

UNITED ARAB EMIRATES, A6. Special event station A60AP is QRV **until August 31, 2023** to commemorate the Astronaut Program. Look for special event stations A60AP/0 to A60AP/14 to also be active during the event. QSL#2

ST KITTS, V4. John, W5JON will be operating as V47JA **from August 28 to Sept. 12**, on 160 to 6M using FT8 & SSB. QSL direct or LoTW.

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

NAMIBIA, V5. Dieter, DL5GAN is QRV as V5/DL5GAN from multiple locations **until Sept. 7**. Activity is with QRP power on 40, 30, 20, 17, 15, and 10M using CW, SSB & FT8. QSL #1

MYANMAR, XZ. Akio, JE2QIZ is QRV as XZ2B from Yangon **until the end of Sept.** Activity is on 15, 12, 10, & 6m using CW. QSL via JH3SIF.

AUSTRIA, OE. Special event stations OE2XXM and OE5XXM are QRV **during September** around the international Autumn field day in Gosau. QSL #2

MYANMAR, XZ. Akio, JE2QIZ is QRV as XZ2B from Yangon until the **end of September**. Activity is on 15, 12, 10 & 6M using CW. QSL via JH3SIF.

SWAINS ISLAND, KH8/S. This effort, postponed since 2020, is now scheduled for **October 4 to 17** using the call sign W8S. Six stations are planned, using CW, SSB, RTTY and FT8, on 160 to 6 meters, with ops DL6JGN, PA3EWP, DL2AMD, PG5M, KO8SCA, PA4WM, PA5X, PA2KW, DJ9RR and NG7M. QSL via M0OXO.

NIUE, E6. Stan, LZ1GC and Dima, LZ1ON will be signing E6AM **from October 10 to 23**. They will operate CW, SSB, FT8 & RTTY on 160 to 6M QSL via Club Log's OQRS (preferred), LoTW, or via LZ1GC, direct or bureau.

MINAMI TORISHIMA, JD1. Take, JG8NQJ is QRV as JG8NQJ/JD1 **until October 19**. Activity is in his spare time on 17, 15, 12, and 10m. When active using FT8, send his signal strength report, not the grid square. QSL via JA8CJY.

POLYNESIA, FO. Didier, F6BCW is QRV as FO/F6BCW from Huahine Island, IOTA OC-067, **until October 25**, on 80 to 6M using CW & SSB QSL via F6EXV.

Until End of 2023

CZECH REPUBLIC, OK. Special event station OL300SANTINI is QRV **until Dec. 31** to commemorate Czech architect Jan Blazej Santini-Aichel who was famous for what came to be known as the Czech Baroque Gothic architectural style. QSL #2

TAIWAN, BV. Kenicho, JP1RIW is QRV as BM0QSO from New Taipei City **until the end of 2023** on the HF bands using FT8. QSL #3

NORWAY, LA. The Akademisk Radioklubb LA1K celebrates its 100<sup>th</sup> anniversary with the call sign LA100K **throughout 2023**. QSL via LA1K.

SERBIA, YU. Members of the Serbia Amateur Radio Union of Vojvodina are QRV with special call YU75SRV **until December 31, 2023** to celebrate the club's 75th anniversary. QSL #2

ANTARCTICA. Sunny, VU2CUW is QRV as AT42I from Maitri Station **until Dec. 2023**. Activity is holiday style. QSL via VU2CRS.

TAIWAN, BV. BW2/JP1RIW is active as BM0QSO **until December 31**, using mostly digital modes. QSL via BM2JCC.

NORWAY, LA. Special Event station LA100K is QRV from Trondheim during **all of 2023** to commemorate 100 years of the Akademisk Radioklubb, one of the oldest ham clubs in the country. QSL#3

AUSTRALIA, VK. Special event station VI75G is QRV **during all of 2023** to celebrate the 75th anniversary of the Geelong ARC. QSL #4

SWEDEN, SM. Special event station 8S80AA is QRV **during all of 2023** to celebrate the 80th anniversary of the Vasteras Radio Klubb, SK5AA. QSL direct to SM5FUG.

PAPUA NEW GUINEA, P2. David, VK4FABN is QRV as P29DT from Tabubil in the Star Mounts in the North Fly District of the Western Province. Activity is holiday style on 40, 20, 15, and 10 meters using CW and SSB. **[listed Jan., '23 - ed]** QSL via LoTW.

Until 2024

MAYOTTE, FH. Marek, F4VVJ will be active as FH4VVK from **until April 1, 2024**. Operations will be on \_\_ various HF bands and modes. QSL direct (see QRZ.com) or eQSL.

WALLIS AND FUTUNA ISLANDS, FW. Jean, F4CIX intends to stay on Wallis Island, IOTA OC-054, for another 2 years **[until Sept 2024 – ed]** is QRV as FW/F4CIX. Activity is on 40 to 10M using SSB, FT8, and FT4 mainly between 0630 and 0915z. 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 Per operators' instructions.
3. QSL via bureau
4. QSL via Log Book of The World (LoTW)
5. QSL via eQSL
6. QSL via QRZ.com
7. QSL via ClubLog



**AMATEUR RADIO LICENSING EXAMS:**

TRW Swapmeet 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))

**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™](http://www.arrl.org/exam-review) 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 Officers:****Western Area Director:**

Dick Norton, N6AA

[N6AA@arrl.org](mailto:N6AA@arrl.org)

**ARRL LAX Section Officers:**

Section Manager: Diana Feinberg, AI6DF

[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.ARRLAX.org](http://www.ARRLAX.org) .

**Los Angeles Area Council of ARCs**

President: Mark Seigel

[Mark.Seigel@Gmail.com](mailto:Mark.Seigel@Gmail.com)

**RF Safety** – Power Density Web site:

[http://hintlink.com/power\\_density.htm](http://hintlink.com/power_density.htm)

ARRL [RF exposure calculator](http://www.arrl.org/rf-exposure-calculator)

Link: [TRW license test](http://www.trw.com/license-test)

**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](http://www.youtube.com/call-sign-history)

**On-Line Stores / suppliers:**

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

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

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

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

<http://www.dxengineering.com>

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

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

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

ARRL <http://arrl.org>

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

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

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

**HARC Past & Current Presidents**

1973 Doug Erny, AK7E (former W6NPD)

1974 Orson Just, K6JGV, sk

1975, 76 Tom Rothwell, K6ZT, sk

1977 Tom McInnis, WB6ZEB, sk

1978,79 Sam Weise, W6LXR

1980 Bob Poole, AJ6F, sk

1981 Russ Sanford, WA6NQO, sk

1982, 83 Chuck, KN6H

1984 John Bennett, WD6BAI

1985 Scott Fraser, KN6F

1986, 87 Ed, K6GQV

1988 John, WA6LOD

1989, 90 John, KJ6AW

1992 Bruce, WB6ARE

1993 Rick, KD6DYN

1994

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

2000,1,2 Bruce, W6BLS

2004,5,6 Ed, N6EG

2007 - 2014 Barry, KG6NWJ

2015, 16, 17 – Dale Birmingham, WB6MMQ

2018-19 Mike, N6MDV (Past President)

2020, 21 – Brian, AB6UI (President)

**How To:** **Wires-X** can be found at [K7REA.com](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>

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:

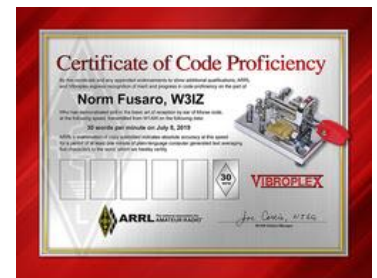
CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 & 15 WPM  
 CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 & 10 WPM  
 CWb = Morse Code Bulletins = 18 WPM

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](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
Aug		8/11		<b>8/16</b>	8/17	8/18		8/21	8/23	<b>8/24</b>	8/25		
Sept.			<b>9/5</b>	9/7	9/8	9/12	9/13		<b>9/14</b>			9/15	
Sept			9/18	<b>9/20</b>	9/21	9/22		9/25	<b>9/27</b>	<b>9/28</b>			



**West Coast Qualifying Runs:**

Wed Aug 30 @ 9 PM PDT (0400 UTC on August 31) on 3590 & 7047.5 kHz by K9JM – 10 to 40 WPM  
 Sat Sept 23 @ 2 PM PDT (2100 UTC) on 3581.5, 7047.5, 14047.5, 18097.5 & 21067.5 kHz by K6kph – 10 – 35 WPM

Earn your Code Proficiency certificate by legibly 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/](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, 2022 – June 30, 2023 CLUB OFFICERS****Elected Officers:**

<b>PRESIDENT:</b>	Brian, AB6UI	AB6UI at AOL.com
<b>VICE PRESIDENT:</b>	Michael, WB6DJI	WB6DJI_DX at icloud.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>Available PAST PRES.:</b>	Dale, WB6MMQ	WB6MMQ at ARRL.net

**Committees:**

<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>YAHOO GROUPS:</b>	Richard, KM6FP	RunFarr at Gmail.com ( <a href="http://groups.yahoo.com/w6ha">http://groups.yahoo.com/w6ha</a> )
<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>CLASS Coordinator:</b>		
<b>FIELD DAY Coordintrs :</b>	Brian, Dale, Howard	See above
<b>NET COORDINATOR:</b>	Howard, KE6MAK	Karse1 at DSLextreme.com
<b>RACE COORDINATOR:</b>	Dale, WB6MMQ	WB6MMQ at ARRL.net
<b>ANT. TRAILER Coor:</b>	Brian, AB6UI	AB6UI at AOL.com
<b>RAYTHEON Coor:</b>	Ken, KI6YDN	KSIMP1022 at AOL.com

**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 (Calling Freq for Slow Scan TV)

**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 )

**Club Newsletter:** If you have items that would be of interest to the club, any comments, letters, or items for sale or trade, send an 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) ; .net & .com will also get you there.

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