



# The Transponder



The monthly newsletter of the [Hughes Amateur Radio Club, W6HA](http://www.w6ha.org)  
- An ARRL affiliated club -

July 16, 2023

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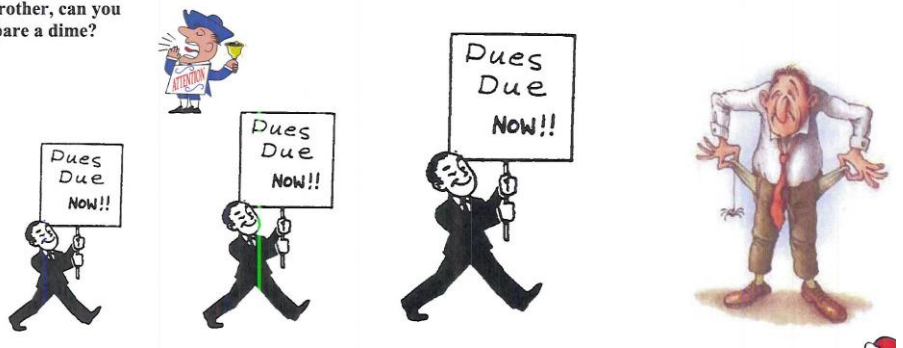
**\*\*\* CLUB MEETING (In-Person) \*\*\***

**Meeting Notice:** Where: **\*\*\* El Segundo MASONIC Center \*\*\***  
 Location: **520 Main St., El Segundo, CA 90245**  
 (Parking available on Main St and off allybehind & along side the building)  
 Date: **Tuesday, July 18, 2023**  
 Time: **Pre-Meeting: 11:45 Gather, Exchange Greetings [Setup 11:30]**  
**Meeting Call to Order: 12:00 to 1:00 PM**

**Note:** Location of the August Meeting is TBD

**Featured Presentation:**  
**Field Day**  
**Debrief & Results**

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:

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.

## Presidents Corner:

On Tuesday, 6/26/23, Students from the Compton College STEM Club sent a large weather balloon to the edge of space. The balloon was launched from the campus of Compton College and landed northeast of Victorville and due south of Barstow.

We were able to track the balloon during its entire flight with an onboard APRS tracker. The tracker not only provided lat/long and altitude but also onboard battery voltage and temperature.

During its four-hour journey it reached an altitude of about 100,000 feet.

When the balloon landed the APRS tracker continued to transmit data until 8am the next day. This data was key to the successful recovery of the balloon.

A student-built payload based on an ARDUINO microcontroller and several sensors will provide scientific data.

I made a couple of videos from the on-board cameras.

[https://youtu.be/5lvD7YfJ\\_il](https://youtu.be/5lvD7YfJ_il)

<https://youtu.be/68heusS65YkE>

73 de AB6UI

## Club News:

### Field Day - Prelim Score: 5421

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!

80/15 Meter Station: Amazingly, 15 meter was good from 11 am at the start until 10 PM when I finally laid down the mike and my head on the pillow. Arising on Sunday morn 15 was still good from 8 until 11. – 297 QSOs Vs. 51 last year. It never seemd to slow down, so I never switched to 80 meters.

40/10 Meters Station: This station worked both bands on two modes, CW and SSB. 40m CW(44), SSB(39) and 10m CW(4), SSB(8).

20 Meter Station:: This station shattered the CW score Vs. prior years with 269 CW contacts; a 6620% increase (off a very low base), SSB (475).

VHF Station: This station operated on several different VHF/UHF bands, as follows: 6m(9); 2m(48); 70cm(37) for a total of 94 QSOs.

GOTA Station: The GOTA station can work any band HF/VHF/UHF. They did a great job this year with contacts made by both unlicensed youth (w/licensed Coach) and licensed member, who are not contesters and generally live on their HTs.

This year's scoring rules for GOTA allowed not only the QSO points, but 5 more bonus points for each QSO. So one QSO is worth  $1 + 5 = 6$  points. Also there is a bonus for the licensed Coach of 100 points. For youth under 18 there is an additional bonus of 20 points each up to five youth. We only had three qualifying youth so 60 points, which is the only bonus point category that we did not max out, but received only 60 or the possible 100 points.

Satellite Station: Last but not least, our intrepid satellite team, once again managed 3 QSOs via satellite just minutes before the contest was over. This was after the expert with automated satellite tracking equipment came up empty handed on Saturday afternoon. So the VHF omni on the tower, for receive, and a hand-held yagi for transmit, on 70 cm with an HT intercom between the two stations, got it done.

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.

## Contests/Special Events: July/Aug. & All of 2023

July: July 29 – 30 (0000 – 2359) [Web Site](#)  
 MARAC US Counties QSO Party, CW, Phone

**August: Aug. 5- 6 (0001 to 2359 UTC)****10-10 Intr'1 Summer Contest, SSB**

Ten-Ten International Net, or 10-10 for short, is an organization of amateur radio operators dedicated to maintaining high levels of amateur radio communications on the 10-meter amateur band (28.0-29.7 MHz). Established in 1962, 10-10 has grown continuously since that day, with some ups and downs according to the numbers of sunspots and the openness of the band. As you read this, the number of 10-10 numbers issued to members is over 77,000. 10-10 would welcome your membership in the organization if you have an amateur radio license with 10-meter privileges.

**ARRL Letter - Excerpts of Possible Interest**  
**2023 ARRL Field Day Was a Success**

2023 ARRL Field Day is in the books and from all indications, it was a success!

[Social media](#) is buzzing with stories and photos from around the country.

Results are coming in, and so far, 2,548 Field Day entries have been received. You can see a live, up-to-the-minute count of the entries, comments, and photos on the Field Day [Entries Received](#) web page.

Participants have been submitting photos and descriptions of their stations and setups to the [SOAPBOX](#) column.

**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://qrp-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>.

## Teachers Gather for STEM Training at ARRL

A group of educators were at ARRL Headquarters in Newington, Connecticut, the week of July 13, 2023, for the ARRL Teachers



Institute on Wireless Technology. The 13 teachers were from all over the country, and they were in town to learn hands-on STEM activities through amateur radio. "They liked foxhunting and satellite contacts the best," said ARRL Education and Learning Manager Steve Goodgame, K5ATA.

ARRL holds five sessions each year, and each session is 5 days in length. The [Teachers Institute](#) is an expenses-paid professional development program filled with lectures, hands-on activities, and demonstrations that are intended to provide teachers with tools and strategies to introduce basic electronics, radio science, satellite communications, amateur radio, weather science, microcontrollers, and electronic sensors to their students. "The whole idea is to inspire teachers to go back and inspire their students to be excited about amateur radio," said Goodgame.

Support for the institute is provided by donations from amateurs like you to the [ARRL Education & Technology Fund](#).

## The K7RA Solar Update – ARLP019

Tad Cook, K7RA, of Seattle, Washington, reports for this week's ARRL Propagation Bulletin, ARLP028:

We saw a rise in solar activity this reporting week, July 6 - 12, 2023.

Referencing the previous 7 days, average daily sunspot numbers rose from 126.1 to 181.9, while the average daily solar flux increased from 164.5 to 179.4.

Geomagnetic indicators did not change much. The average planetary A index went from 7.3 to 8.6 and the average daily middle latitude A index went from 8 to 8.1.

The most active day was July 7, when the University of Alaska's College A index was 40! The middle latitude A index on that day was only 11. The College A index was measured by a magnetometer in Fairbanks, Alaska.

Predicted solar flux looks like it will be great over the next few days, at 190 on July 13; 188 on July 14 - 15; 186 on July 16; 182 on July 17 - 18; 180 on July 19; 170 on July 20 - 21; 160 on July 22 - 23; 155 on July 24 - 25; 160 on July 26 - 27; 165 on July 28 - 29; 170 on July 30 - 31; 165 on August 1 - 4; 170 on August 5; 175 on August 6 - 7; 170 on August 8, and 165 on August 9 - 11.

Predicted planetary A index is 15 and 10 on July 13 - 14; 5 on July 15 through August 2; 10, 8, and 5 on August 3 - 5, then 8, 8, 5, 8, and 8 on August 6 - 10.

On July 12, [spaceweather.com](#) reported:

"A new hyperactive sunspot is producing M-class solar flares every few hours. This is causing shortwave radio blackouts around all longitudes of our planet. If current trends continue, an X-flare could be in the offing."

See [spaceweather.com](#) for updates.

Thanks to reader David Moore for sending us the information on aurora hype at <https://bit.ly/44ovzsh>.

Sunspot numbers for July 6 through 12, 2023, were 149, 147, 167, 183, 181, 227, and 219, with a mean of 181.9. The 10.7-centimeter flux was 157.6, 161.4, 160.5, 179.2, 190.6, 213.5, and 193.3, with a mean of 179.4. Estimated planetary A indices were 11, 18, 8, 4, 5, 8, and 6, with a mean of 8.6. The middle latitude A index was 11, 16, 6, 4, 6, 8, and 6, with a mean of 8.1.

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

July 19 - July 25 -- South Dakota W1AW/0

July 19 - July 25 -- South Carolina W1AW/4

July 26 - August 1 -- Rhode Island W1AW/1

July 26 - August 1 -- Indiana W1AW/9

### **Contests:**

July 20 -- NAQCC CW Sprint (CW)

July 20 -- NTC QSO Party (CW)

July 21 -- NCCC RTTY Sprint (dig)

July 21 -- NCCC Sprint (CW)

July 22 -- ARAM 50 MHz Contest (CW, phone)

July 22-30 - Maidenhead Mayhem T (CW, ph, dig)

July 22 -- YOTA Contest (CW, phone)

July 26 -- SKCC Sprint (CW)

July 27 -- RSGB 80m Club Champ, Data (dig)

See the [ARRL T 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:

July 29 | [CVARC 2023 Hamfest](#), hosting the ARRL Pennsylvania State Convention, Chambersburg, Pennsylvania

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:

### **In Brief...**

**Amateur radio operators are needed for a real-world science experiment during upcoming solar eclipse events.** Members of the [Ham Radio Science Citizen Investigation](#) (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 SEQP.*

**K2BSA will showcase amateur radio at the 2023 National Scout Jamboree at Summit Bechtel Reserve in West Virginia, July 19 - 28.** The exhibit



will include ham radio demonstrations on HF (40 meters and up), satellite, and VHF/UHF. Listen for the station on D-Star (REF033A), and \*JOTA-365\* conference node on Echolink. More details at [k2bsa.net](http://k2bsa.net). The exhibit includes materials supplied by ARRL.

### **Announcements**

**National Sunflower Day is August 15, 2023, and the ARRL Kansas Section will be hosting a Sunflower Net.** The Sunflower System is a multimode linked system in Kansas and the special event call sign will be W0S. Stations are encouraged to check into the Sunflower Net by using one of the connectors listed at [www.sunflower.net.us](http://www.sunflower.net.us). Those connections are available on Allstar, Hamshack Hotline, EchoLink, digital mobile radio (DMR), Digital Smart Technology for Amateur Radio (D-STAR), System Fusion, Project 25 (P25), or open-source amateur radio M17. Lloyd Colston, KC5FM, one of the event managers, said the sunflower is the state flower of Kansas, and more information about its observance and history is available at the [National Sunflower Day](#) web page or at [State Symbols USA](#).

**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:		May	2023
Attendance: 9			
		Lunch Kitty, Starting Balance:	<b>\$280.50</b>
<b>Expenses:</b>	Pizza (3), Salad =	\$95.00	
	Soda: 9 @ 0.72 =	\$6.50	
	Water: 1 @ 0.25 =	\$0.25	
		Food Total:	\$101.75 \$178.75
<b>Income:</b>	Lunch: =	\$96.75	\$275.50
Room Rent - To General Fund:		\$0.00	\$275.50
		Starting Kitty for Apr. 18, 2023 Mtg.	<b>\$275.50</b>
May	Gain / Loss:	<b>\$5.00</b>	

Lunch Kitty Financials:		June	2023
Attendance: 12			
		Lunch Kitty, Starting Balance:	<b>\$275.50</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 \$170.25
<b>Income:</b>	Lunch: =	\$116.25	\$286.50
Room Rent - To General Fund:		\$0.00	\$286.50
		Starting Kitty for July 18, 2023 Mtg.	<b>\$286.50</b>
June	Gain / Loss:	<b>\$11.00</b>	

**Ralphs Community Programs**

**Quarterly Statement for UE312 - HUGHES AMATEUR RADIO CLUB**

**01-Mar-2023 to 31-May-2023**

**4 Households**

**Total Donations**

**\$ 38.69**

A bus station is where a bus stops. A train station is where a train stops.

On my desk, I have a work station.

**Select DX News** (QRV = Ready! or Are you Ready?)**ARLD029 DX news** [Note: 'T' = contest]

This week's bulletin was made possible with information provided by HK3EA, The Daily DX, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

CROATIA, 9A. Stations 9A7YY, 9A/S53Z, 9A/S54W, 9A/S58MU, 9A/S50O and 9A/S50X will be QRV from Vis Island, IOTA EU-016, **from July 24 to August 1**, on 80 to 10m using CW & SSB. This includes being active in the upcoming RSGB IOTA T. QSL #1.

AZORES, CU. Chris, DL2MDU and Heike, DL3HD are QRV as CT8/home calls from Sao Miguel Island, IOTA EU-003, **until July 26**. QSL #1

ISLE OF MAN, GD. Keith, G3TTC plans to be QRV as GD3TTC near Onchan from **July 26 to 29**. Activity will be holiday style on 40 to 10m using SSB. This includes being an entry in the upcoming RSGB IOTA contest. QSL #1

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

ITALY, I. Station II3GR is active **until July 23** from the annual Youth On The Air camp on Volpera Island. This includes being active in the YOTA contest. QSL via IV3CTT.

SARDINIA, IS0. Giuseppe, IK5WWA is QRV as IM0C from San Pietro Island, IOTA EU-165, **until July 30**, is on 80(maybe) & 40 to 2m. QSL #1

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.

CZECH REPUBLIC, OK. Special event station OL300SANTINI is QRV **until December 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

FAROE ISLANDS, OY. Przemek, SP7VC and Katarzyna, SQ7OYL will be QRV as OY/home calls **from July 23 to 27**, on 20, 6, and 4m. QSL via SP7VC.

BONAIRE, PJ4. Robert, PD2V is QRV as PJ4/PD2V from Kralendijk **until August 11**, on 40, 30, and 20m using SSB and FT8. QSL #4

GREECE, SV. Kim, ON4BCV is QRV as SV8/ON4BCV/p from Samos Island, IOTA EU-049, **until July 24**, holiday style. QSL #1

NORFOLK ISLAND, VK9N. David, VK5DG is QRV as VK5DG/9 **until July 27**. Activity is holiday style on Satellites IO-117, AO-91, PO-101, RS-44, and AO-7. QSL via LoTW.

TURKS AND CAICOS ISLANDS, VP5. Shawn, KI5PXG is QRV as VP5/KI5PXG from Turks, IOTA NA-003, **until July 24**, holiday style primarily on 20 & 10m using SSB & FT8. QSL #4

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.

MALAWI, 7Q. Don, K6ZO is QRV as 7Q6M from the Embangweni Mission Hospital in northern Malawi until possibly the **end of July**. Activity is in his spare time with a special emphasis on 6 meters. QSL direct to W0MAN.

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

PHILIPPINES, DU. Ops DU9XL, DU9XM, DU9HRG, DU9CA, DV9DDX, DV9ARA and DV9BPI will be on the air as DX9EVM from Mindanao Island (OC-130) for the 2023 RSGB IOTA Contest, **July 29 and 30**. QSL#1 or #3

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

AUSTRIA, OE. Special event stations OE2XXM and OE5XXM are QRV **during July, and 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 Sept.** Activity is on 15, 12, 10 & 6M using CW. QSL via JH3SIF.

SOUTH KOREA, HL. Wouter, PB1WL is planning to be active as HL4/PB1WL from **July 17 to 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.

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

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 is QRV as 3C3CA from Malabo and here for another **two months**. [Until August 2023-ed] Activity is on the HF bands and 6 meters using FT8. 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

SAINT BARTHELEMY, FJ. Phil, K2LIO is QRV as FJ4WEB **until August 15**. Activity is on 40 to 10 meters using SSB. QSL to home call.

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.

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.

NIUE, E6. Stan, LZ1GC and Dimo, 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.

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**

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:

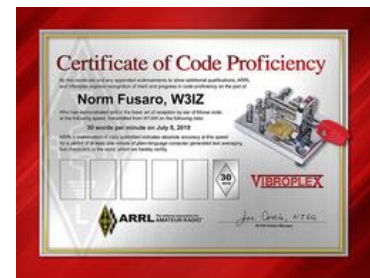
CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 & 15 WPM  
 CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 & 10 WPM  
 CWb = Morse Code Bulletins = 18 WPM

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
July			7/17	<b>7/19</b>	7/20	7/21		7/24	<b>7/25</b>	<b>7/27</b>	7/28		
Aug		8/1	<b>8/2</b>	8/3	8/4	8/7	8/9		<b>8/10</b>	8/11	8/15	<b>8/16</b>	8/17
Aug	8/17	8/18		8/21	8/23	<b>8/24</b>	8/25						



**West Coast Qualifying Runs:**

Wed July 26 @ 6 PM HST (0400 UTC ON July 27) on 7047.5 & 14047.5 kHz by KH6TU – 10 TO 40 WPM  
 Wed Aug 30 @ 9 PM PDT (0400 UTC on August 31) on 3590 & 7047.5 kHz by K9JM – 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/](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 cloud.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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