



# The Transponder



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

July 15, 2022

Repeater 445.620 – PL 127.3

Website: W6HA.org

Vol. XLIX, No. 7

**\*\*\* CLUB MEETING In-Person & Zoom \*\*\***

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

Location: 111 Maraposa St., El Segundo, CA 90245

Zoom Meeting ID: 817 1297 4188 Passcode: 160795

Date: Tuesday, July 21, 2022

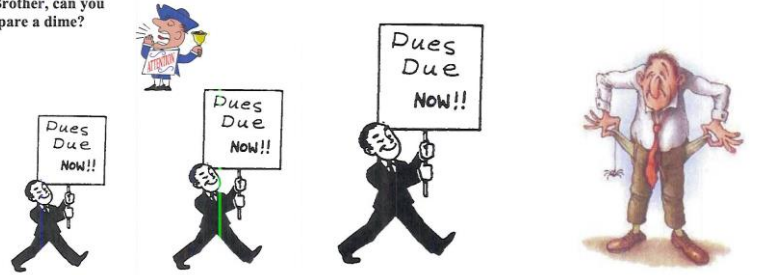
*1/2 Hour Later* Time: Pre-Meeting: 12:00 Gather, Exchange Greetings

Meeting Call to Order: 12:30 to 1:30 PM

## Featured Presentation:

Remote Operation of a Rig

Brother, can you spare a dime?



## Up Coming Events:

July 1<sup>st</sup> – Dues are Due for 2022 -2023

July 30<sup>th</sup> – TRW Swap Meet needs help!!! See page 2

Oct. – 3<sup>rd</sup> weekend - JOTA

Nov. 2, 2022 - **Spruce Goose (H-4 Hercules) Special Event** (75<sup>th</sup> Anniversary of Flight)

Banquet Tables – 7 foot long, Available free to the taker – See Page 9

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**Lunch:** Pizza: 1 Large Veggie; 1 Lrg Pepperoni; 1 Lrg Special; 1 Lrg Sausage, (\$3.50/slice)

**Prices:** 2 slices of Pizza w/salad, \$8.00; 1 slice of pizza w/salad \$5.00; Salad only \$4.00

**Sodas:** Coke, Coke Zero & Ginger Ale (\$1.00) - Water (50 cents) Next Month

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

**Wednesday Evenings at 7:30 PM – Hughes ARC net,** (then Simplex @ 146.550), then Digital

**Thursdays Noon (12:05 PM) Emergency Communication Teams (ECT)**

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

**2022 Field Day - W6HA – June**

Field Day 2022 – W6HA &amp; GOTA – KW6KIM

Section: LAX            Class: 3A

Participants: 21        Score: 2658

The Club had a Great Field Day! – All three planned HF stations were active, plus VHF/UHF/6M and the GOTA station. There was much difficulty trying to make a contact via a Satellite, but at the last minute, at 10:58 AM Sunday morning, a satellite contact was made, but not your ‘run of the mill’ contact via an Oscar satellite. Ray, WA6NVL and Brian, AB6UI, actually managed a contact with an astronaut on the International Space Station (ISS), NA1SS. This was the topper of the weekend and recorded:

<https://youtu.be/swWfZB6WU0A>

**The HF Stations:**

**20 Meters:** Richard, KM6FP, setup and operated, mostly; was the top QSO HF station with 173 ssb QSOs

**40/10M:** Dick, W1MII, setup and operated, mostly; accomplished 63 QSOs, all on 40M.

**80/10M:** Dale, WB6MMQ, setup and operated, mostly; accomplished 53 QSOs, 51 on 15M, 2 on 80M. Most of the day, Saturday, there was an S9 Noise level, but Sunday morning it was gone.

**VHF/UHF/6M:** Howard, KE6MAK, setup and operated, mostly; 92 QSOs: 2M-53, 440-35, 6M-5.

‘Mostly’ means, Yes, there were guest operators

**GOTA:** Brian, AB6UI & Bill, KM6HVK, Setup and Coached: 66 QSOs, five operators Coached including a Seven year old who made 2 QSOs.

**Eighty Bonus** points for the two operators and coaches that made more than 20 QSOs. This is a potential Gold Mine for Bonus Points. We need more new and “neophyte to contesting” members to come out for an hour or so and make 20 QSOs at the GOTA station, which qualifies for a 40 point bonus or a total of 60 points.

**Satellite:** Ray, WA6NVL & Brian, AB6UI, Setup at least twice, tracking Oscar satellites and the ISS – Give me a break! – That ain’t gonna happen, BUT IT DID!, at 10:58, 2 minutes before the contest was over. The contact was with NA1SS, Operator, Lindgren, KO5MOS, an astronaut aboard the ISS. His exchange: 1A – DX, our first, “Out of this World” contact on Field Day.

**Bonus points:** Many of the bonus points are due to hard work before the FD weekend begins, such as publicity, social media and invitations to elected officials, served agencies and a public location. AB6UI took care of several of these.

**Field Day messages:** Phil, K6PNJ & Steve, KI6GUY researched the ARRL NTS availability, prepared the messages and setup Winlink, connected to a VHF station and accomplish this digitally, in a few minutes. Phil did double duty and also served as our Safety Officer, providing first-aid supplies and lots of Caution Tape to keep the public away from potentially hazardous areas.

**Information Booth:** Alice, KK6MFL: This was the main contact point for Visitors and Participants. Alice managed the Visitor Sign-In and participant logs. The elected officials and Served Agency attendees signed in on these logs. These need to be attached to the submittal to the ARRL for scoring and as evidence for some bonus points.

In total we earned 1750 Bonus Points in Seventeen categories, which is all of the categories. The only place we could have made more bonus points was at the GOTA station. Newly licensed and operators that are inexperienced with contest operation can receive 40 bonus points if they make 20 QSOs for a total of 60 points. This is a potential Gold Mine of Points and **FUN**.

As usual, cleanup magic happened, and we had the Dipoles wound up, the Tower and Tri-bander secured, the power & network cables dropped and rolled up, the Five Tents and the EZe-Up struck, the trucks loaded and Pine Campground was vacated by 2:30 PM Sunday Afternoon, the magic of “Many Hands.”

Finally, Suzanne, KN6HVH, volunteered to be our official photographer. To see what Field Day looked like follow this link:

<https://photos.app.goo.gl/BRN1aWLFhrwiyDiB8>

**TRW Swap Meet – Help!!!**

The TRW Swapmeet is looking for hams to help put on the swap meet. Please contact Rich Sauer [w6trwswapmeet@gmail.com](mailto:w6trwswapmeet@gmail.com) if you can help.

Submitted by John, N6JLS

## Nonprofit Happenings

**July:** Forwarded by Treasurer Paul, KK6TAC  
From Ralphs: Dear HUGHES AMATEUR RADIO CLUB,  
Congratulations on your enrollment into the Ralphs Community Rewards Program. Your participants may begin enrolling upon receipt of this email.

You have been assigned a new NPO (Non-Profit Organization) number UE312.

To Use the Ralphs Community Rewards Program:

Simply encourage your participants to visit: <https://www.ralphs.com>. Once logged into their Ralphs account they can search for HUGHES AMATEUR RADIO CLUB either by name or UE312 and then click Enroll. Customers must have a registered Ralphs rewards card account to link to your organization.

If a club member does not yet have a Ralph's *rewards card*, please let them know they are available at the customer service desk at any Ralphs.

### How to sign up for AmazonSmile

See attachment w/Screen shots.

For the donation to the club to occur, YOU MUST START AT: [SMILE.AMAZON.COM](https://www.amazon.com). to start shopping.

### New Club Members in June

The following are new members of the club:

No new members in June

### Members Expiring Licenses this year:

**KG6MFC - 7/10/22**

**Ai6HJ - 8/31/22**

**AI6GP - 10/5/22**

### ARRL Letter - Excerpts of Possible Interest

#### **Amateur Radio to Be Showcased at 2022 EAA AirVenture in Oshkosh, Wisconsin**

ARRL member-volunteers will ensure amateur radio is well-represented at the annual EAA AirVenture in Oshkosh, Wisconsin, on July 25 through July 31. More than 10,000 aircraft and a half-million flight enthusiasts make Wittman Regional Airport the busiest airfield in the world during AirVenture.

ARRL has participated at AirVenture since 2018, supporting an exhibit that encourages pilots and

aviation enthusiasts to discover radio communications and radio technology through ham radio. ARRL Director of Public Relations and Innovation Bob Inderbitzen, NQ1R, has organized a booth (#2152 in Hangar B) and an all-volunteer team.

"There's a kinship among the aviation and amateur radio communities," Inderbitzen said. "In addition to introducing newcomers to ham radio, we expect to meet hundreds of ham-pilots at AirVenture. This is a great opportunity to show off ham radio at such a large-scale event." Frederick Hart, AA0JK, and Bob Inderbitzen, NQ1R, wrote "Growing Amateur Radio, One Pilot at a Time," in the January 2019 issue of *QST*, describing some of the opportunities and experiences pursued by pilots who become active ham radio operators.

At KidVenture, a highlight for children attending AirVenture, kids can build and take home a radio receiver to listen to air traffic and other nearby transmissions from approximately 65 - 140 MHz. The kit, designed by student engineer Levi Zima, KN4YHS, with additional support from his sister, Kirsten Zima, KC9RWG, has been an ARRL offering since 2021 (see [ARRL's Introduction to Radio Receiver Kit](#)). "It's great fun to see children at AirVenture walking around with the radio kits they've built and tuning in to the busy Air Traffic Control Tower throughout the event," said Inderbitzen. "Radio communications is a key part of learning about avionics. ARRL is grateful to EAA AirVenture for sponsoring the activity, which promises to introduce a lot of young people to radio."



Children attending KidVenture at 2022 AirVenture will be able to build a simple radio receiver kit, encouraging their discovery of radio communications

#### **Geochron Atlas 2 4K Donated to ARRL**

[Geochron](#), headquartered in Oregon City, Oregon, has donated a Geochron Atlas 2 4K - a digital Geochron world clock - to [ARRL The National Association for Amateur Radio](#)®.

Geochron Owner Patrick Bolan is on the fourth leg of a cross-country motorcycle trip during which he has supported Geochron installations at MIT in Massachusetts, NASA Goddard Space Flight Center in Maryland, the US Naval Observatory in Washington, D.C., the University of Delaware, and the U of Vermont. Bolan arranged the donation for installation at the ARRL Headquarters station, [W1AW](#).



Geochron Owner Patrick Bolan (left) was thanked by ARRL Director of Operations Bob Naumann, W5OV (right) for the donation of a Geochron Atlas 2 4K to ARRL. The device was installed at W1AW.

The digital Geochron displays the Earth with sunrise and sunset rendered in real time. "The device is a small computer that plugs directly into any HDMI port on your TV via a short cable," wrote reviewer Pascal Villeneuve, VA2PV in the February 2022 edition of *QST*. "It offers several standard base maps, including a ham radio map set with DXCC country prefixes and CQ zones. There are several data layers, with some using live updates from the internet. Layers can be turned on and off and adjusted by the viewer using the included remote. It's very simple to set up and operate." A subscription to a premium bundle supports real-time data for radio amateurs including live propagation information, AMSAT satellite tracking, and Maximum Usable Frequency overlays.

"We're honored that ARRL has received the donation of a digital Geochron," ARRL Director of Operations Bob Naumann, W5OV, said. "Its beautiful maps of the Earth and the utility of so much displayed information will be a treat for members to see and use when visiting the station. ARRL thanks Patrick Bolan for arranging this donation and for Geochron's support."

The complete [ARRL News](#) story with more photos.

**2022 North American QSO Party, (CW/SSB/RTTY) July/August 2022 Events:**  
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. **Rules**

**The 1<sup>st</sup> of three: RTTY:** 1800 UTC July 16 to 0559 UTC July 18, 2022 (3<sup>rd</sup> Full weekend of July)

**CW:** (1st Full weekend of August)

**SSB:** (3<sup>rd</sup> Full weekend of August)

### The K7RA Solar Update

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

Rising solar activity over the past reporting week, July 7 - 13, 2022, was reflected in increased sunspot numbers, solar flux, and rising geomagnetic activity.



[Photo courtesy of NASA SDO/HMI]

Average daily sunspot numbers increased from 62.6 to 102.1, with the peak value at 134 on Monday, July 11. Average daily solar flux rose from 103.5 to 147.4, with peak values at 164.9 and 164.8 on Tuesday and Wednesday.

New sunspots emerged on July 7, July 10, and July 11. Total sunspot area peaked on July 11.

Planetary A index averaged out at 12.4 (up from 9.8 last week) while the middle latitude A index went from 9.7 to 10.6.

Toward the end of the day on July 7, Alaska's college A index was 46 (a very high value), while the last four K index readings of the same day and the next two were 6, 6, 7, 5, 5, and 5.

This was caused by a corotating interaction region, sparking a G1-class geomagnetic storm.

Visit the following links for info on corotating interaction regions:

<https://bit.ly/3P91Xrp>  
<https://bit.ly/3IBOtlm>  
<https://bit.ly/3yDwxIU>

The Wednesday-night prediction from the United States Air Force shows solar flux at 165 on July 14 - 15; 160 on July 16 - 18; and 155, 150, and 135 on July 19 - 21. A prediction of 130 is shown July 22 - 24; 138 and 148 on July 25 - 26; 150 on July 27 - 29; 160 on July 30 - August 7; and 155, 145, and 135 on August 8 - 10. August 11 - 12 is 138, then 128 and 125 on August 13 - 14, and 130 on August 15 - 17.

Predicted planetary A index is 8 on July 14 - 21, then 15, 20, and 12 on July 22 - 24. Eight is predicted again on July 25 - August 2, then 12 and 10 on August 3 - 4, and 8 on August 15 - 17.

I often see news items that mention solar flares and are written as though the world is about to end.

A few recent examples, for our collective amusement:

<https://bit.ly/3yCXV3h>  
<https://bit.ly/3RA5Bfy>  
<https://bit.ly/3P5KakF>

Sunspot numbers for July 7 - 13, 2022, were 80, 81, 89, 113, 134, 117, and 101, with a mean of 102.1. The 10.7-centimeter flux was 121.3, 129.6, 136.9, 153, 161, 164.9, and 164.8, with a mean of 147.4. Estimated planetary A indices were 20, 19, 6, 7, 12, 18, and 5, with a mean of 12.4. Middle latitude A index was 15, 14, 6, 8, 10, 16, and 5, with a mean of 10.6.

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

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

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

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

[Share](#) your reports and observations

## **Amateur Radio in the News**

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

["Amateur radio group holds 90th Hamfest"](#) / Rochester Beacon (New York), July 8, 2022 -- *The Rochester Amateur Radio Association is an ARRL Affiliated Club.*

["Community Amateur Radio Club holds 24-hour emergency training"](#) / The Advocate (Louisiana), July 8, 2022 -- *Baton Rouge Amateur Radio Club is an ARRL Affiliated Club.*

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

## **Just Ahead in Radiosports** (T=Contest; P=Party)

July 16 - Trans-Tasman Low-Bands Challenge (CW, Ph, dig)

July 16 - 17 -- IARU Region 1 70 MHz T (CW, Ph)

July 16 - 17 -- North American QSO Party (RTTY, dig)

July 16 - 17 -- CQ Worldwide VHF T (CW, Ph, dig)

July 17 -- RSGB International Low Power T (CW)

July 17 -- CQC Great Colorado Gold Rush (CW)

July 17 -- 18 Run for the Bacon QRP T (CW)

July 18 -- OK1WC Memorial (MWC) (CW)

July 18 -- RSGB FT4 Contest (FT4)

July 20 -- A1Club AWT (CW)

July 20 -- VHF-UHF FT8 Activity T (FT8)

July 21 - 22 -- Walk for the Bacon QRP T (CW)

July 21 -- NAQCC CW Sprint (CW)

July 21 -- NTC QSO Party (CW)

July 23 - 28 -- YOTA T (CW, Phone)

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 13** | [Tidewater Hamfest and Swap Meet](#), hosting the ARRL Virginia State Convention, Portsmouth, Virginia

**August 5, 6, 7** - [Pacific Northwest DX Convention](#)

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

**In Brief...**

**Amateur radio operators are needed for the Marine Corps Marathon on October 30, 2022, in Washington, DC, and Arlington, Virginia.**

The call is for 150 amateur radio operators to provide "eyes on the course" using the 144 and 420 MHz bands, with FM and Digital Smart Technologies for Amateur Radio (D-STAR), and a Medical Data Network using Amateur Radio Emergency Data Network (AREDN). Amateur radio will also be used as back-up communications in case all else fails. Operators will prepare themselves, supplies, and equipment to function in a large-scale, multi-jurisdictional, mass casualty-type event under real-world conditions. Training will be provided, and each operator will receive a commemorative T-shirt. Amateurs can sign up by following the link [www.mcmham.org](http://www.mcmham.org). To learn more about the 2022 Marine Corps Marathon, visit their website at [Marine Corps Marathon](#)

**The [EAA Warbirds of America](#) Board of Directors will be sponsoring a special event station, W9W, which will be on the air all week during daylight hours on July 25 - 31 from AirVenture in Oshkosh, Wisconsin.**

The station will be located on the Warbirds' grounds near their headquarters, against the backdrop of the display of historic



and vintage ex-military aircraft. Look for W9W on 40 - 10 meters near 7.225, 14.250, 21.235, and 28.425 MHz. The station will also operate on the 2-meter and 440 MHz bands, simplex. A special event QSL card will be issued for contacts with W9W. [Icom America](#) will support the event with HF, VHF, and UHF radio equipment. Other sponsors include Heil Sound, Radio Wavz, DX Engineering, and US Tower. If you would like to get on the schedule to operate W9W, please contact [Ray Novak, N9JA](#). See the ARRL [Special Events](#) database for further details.

**Members of the Fox Cities Amateur Radio Club (FCARC) will be operating station W9ZL from Pioneer Airport at KidVenture throughout EAA AirVenture in Oshkosh, Wisconsin.** Club members and other volunteers will operate HF

stations on 20 and 40 meters, 6-meter SSB (on, or near, 7.250, 14.270, and 50.150 MHz), plus local communications on 2 meters. A special event certificate will be available. See the ARRL [Special Events](#) database for further details.

**Announcements**

- The [EZNEC](#) antenna-modelling software by Roy Lewallen W7EL, is now a free download.
- [DX Engineering](#) has announced that it has added **Penta Laboratories RF vacuum tubes to its product line.** "In the ham radio community, special RF power vacuum tubes are essential replacements for current model amplifiers. They are also used to revive legacy amplifiers, and some technically savvy operators build vintage-style homebrew equipment and other devices using vacuum tubes," included the DX Engineering announcement. [Penta Laboratories](#) describes that it "was founded in 1951, and quickly achieved industry-wide recognition for the development of the beam-power Pentode vacuum tube."
- Registration is open for the 67th [Pacific Northwest DX Convention](#), set for August 5 - 7 in Spokane, Washington. The 2022 event will emphasize DXing, contesting, and technology.
- [4A90FMRE](#) is on the air to mark the 90th anniversary of the Federacion Mexicana de Radio Experimentadores. Operation is taking place from all 31 Mexican states plus Mexico City.
- **Special Event:** The London BBC Radio Group has been granted a year-long special event call sign, GB100BBC, to commemorate the centenary of the BBC in 2022. Operations will be carried out by individual members or groups from home stations or BBC premises.

Lunch Kitty Financials:		June, 2022	
Attendance: 13 (in Room) - Zoom ?			
		Lunch Kitty, Starting Balance:	<b>\$173.25</b>
<u>Expenses:</u>	Pizza (3) - Salad =	\$104.00	
	Soda: 11 @ 0.55 =	\$6.00	
	Water: 0 @ 0.25 =	\$0.00	
		Food Total:	\$110.00 \$63.25
<u>Income:</u>	Lunch: =	\$135.25	\$198.50
		Recycling:	\$0.00 \$198.50
		Room Rent - To General Fund:	\$0.00 \$198.50
		Starting Kitty for July 19, 2022 Mtg.	<b>\$198.50</b>

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

**ARLD028 DX news** [Note: 'T' = contest]

This week's bulletin was made possible with information provided by KK9A, LU4AAO, 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.

ISRAEL, 4X21/4Z21. Look for special event stations 4Z21MG and 4X21MG to be active from Maccabiah Village and during the 21st Maccabiah Games, **until July 26**. Activity will be on various HF bands using CW, SSB, FT8 and various satellites. QSL via 4X6ZM.

ALGERIA, 7T60. Members of the Amateurs Radio Algeriens (7X2ARA) are now active as 7T60I, 7U60I, 7V60I, 7V60ID, 7W60I to celebrate the 60th anniversary of Algerian Independence, until **August 5**. QSL via BEN LAGHA, 3 Rue Claude Curtat, Meyzieu 69330, France.

NEPAL, 9N. Robert, S53R/9N7AA will be focusing on 6 meters **during July**. The majority of activity will be over the weekends. QSL via S57DX, direct only, LoTW and ClubLog.

PORTUGAL, CS2. Look for special event station CS2Q to be active from Faro, Portugal, **until July 17**, during the 40th International Motorcycle Rally. Activity will be on 80 to 6 meters using CW, SSB & digital modes. QSL via CT1EHX.

AZORES, CT8. Jim, W6PQL will be active as CT8/W6PQL from Pico Island (HM58rn) until **September 6**. Activity will be on various HF bands and 2 meter EME. QSL via his QTH in California or LoTW.

SPRATLY ISLANDS, DX0. Gil, 4F2KWT has been issued the call sign DX0NE from the Republic of the Philippines National Telecommunications Commission. The special call sign will be used during an operation from Kalayaan Spratly Island sometime between **Aug. 1 & Dec. 31, 2022**. The four man team includes Gil, Ed, 4F1OZ, Jong, DU3JA and Mike, DU1XX/AE6DG. Activity will be on 160 to 6 meters using CW, SSB, FT8. QSL via IZ8CCW.

SOUTH COOK, E51. Pete, ZL4TE is expected to

be active as E51RMP **until July 21**. Activity is holiday style QRP on various HF bands and some VHF Digimodes using CW and SSB. QSL #1

MOLDOVA, ER. Anton, DL4EA will be active as ER/DL4EA on the satellites, **July 16 and 17**. QSL via DL4EA, direct, via the bureau or LoTW.

DOMINICAN REPUBLIC, HI. Orazio, IK2KTE is active as HI9/IK2KTE **until July 30**. Activity has been on 20 meters SSB. QSL via IK2KTE.

ANTARCTICA, LU. Look for LU4ZS to be active from Marambio station, Seymour Island, **during the month of July**. QSL via LU4DXU. Also, LU1ZD is active from San Martin Base, on Barry Island, during July. QSL via LU4DXU.

GRENADA, J3. Greg, N9GB will be active as N9GB/J3 from **August 13 to 18**. Activity will be mainly holiday style on 40 to 10 meters using CW, SSB and FT8. Most of the time operation will be at night, but sometimes will be during the day. QSL via N9GB.

ARGENTINA, L95. Members of the Radio Club Rosario (LU4FM) will be active [**during 2022 – ed**] with special event call sign L95F to commemorate 95<sup>th</sup> anniversary of their club. Activity will be on various HF bands. QSL via L95F direct, by the bureau or eQSL.

UNITED STATES, N7. Operators around the state of Oregon will be signing N7DUX to commemorate the 2022 World Athletics Championships being held at the historical Hayward Field in Eugene, **until July 24**. QSL via N7DUX direct w/SASE, by the bureau or LoTW.

CURACAO, PJ2. Look for the Dave Kalter Youth DX Adventure to be active as PJ2Y from the PJ2T contest station **until July 19**. Operators will be three youths and team leaders. Activity will be on various HF bands using CW, SSB, FT8 and possibly on satellites. QSL via AB8YK direct.

CANADA, VX7. Jon, VA7JC will be active as VX7ITE from Metro Vancouver, BC, to celebrate the Platinum Jubilee of Queen Elizabeth II.

UNITED STATES, W8. Operators Geoff,

W8GNM, Jay, K8CJY and Jon, KB8SRQ will be active as W8GNM/8 from the Port Clinton Light-house **August 20, from 1500 to 2100z**. QSL#4

FRANCE, TM109. Michel, F8GGZ is active as TM109TDF to celebrate the 109th Tour de France. Look for activity **from July 20 to 24**. QSL #3 or direct to F8GGZ.

CAYMAN ISLANDS, ZF. Frank, K3TRM will be active as ZF2RM **from July 17 to 30**. Activity will be focused on 6 meters and the satellites, plus the HF bands, including 40 to 10 meters, using CW, SSB, RTTY, FT8. QSL via K3TRM, direct, by the Bureau, LoTW or ClubLog.

NEW ZEALAND, ZL90. Members of the NZART Southland Branch 37 are celebrating their 90th anniversary and will be active as ZL90GQ **during the month of July**. QSL direct to the address on QRZ.com.

MARKET REEF, OJ0. DG5CST, DL3DXX, DL6FBL and SM0W plan to operate OJ0DX **from July 25 to August 1**, concentrating on the IOTA Contest. Prior to the contest they will be operating on 3.5 through 50 MHz and DG5CST will be on VHF and UHF. Their arrival and departure will be dependent on weather as Market Reef has no harbor so landing is always difficult and only possible with low wind and waves. QSL via DL3DXX.

ANGOLA, D2. Bernie, ZS4TX plans to be QRV **from August 12 to 16**, operating on 2 Meter EME and HF as D2TX. There is also a possibility he will be on 6 meters EME and Tropo and 70cm. QSL via PA3CMC.

DODECANESE, SV5. Robert, OK2PYA is QRV as SV5/OK2PYA from Rhodes until July 13. Activity is on 40, 30, 20, 17, 15 and 10 meters using CW and SSB. QSL via the Bureau.

ANGOLA, D2. Mikalai, UT6UY is active as D2UY. The length of his stay is unknown. [**listed July 2022 – ed**] Activity has been mainly on 20 to 6 meters using FT8. QSL via his home call.

CAPE VERDE, D4. Harald, DF2WO will be QRV as D44TWO sometime in September [2022 – ed]. Activity will be holiday style on 160 to 6 meters using CW, SSB and digital modes. He

works mostly on the digital modes FT8, PSK31, JT65 and RTTY. QSL via M0OXO OQRS.

TURKEY, TA. Berkin, TA3J will be QRV as TA3J/0 from Yassica Island (AS-099) **every Saturday and Sunday until October 31, 2022**. Activity will be on SSB, CW, RTTY and FT8 on 80, 40, 30, 20, 17, 15, 12 and 10 Meters. Logs will be uploaded to Club Log and LoTW.

UNITED STATES OF AMERICA, N. John, N9EAJ will be active as N9EAJ/P from Okaloosa Island **from July 24 to 31**. Activity will be on 40 to 10 meters using mainly SSB, with some CW. There will be some activity in the RSGB IOTA Contest. QSL via N9EAJ direct or ClubLog's OQRS.

UNITED KINGDOM, GB22. Look for the following special event stations to be active between **July 25 and August 21** to mark the XXII Commonwealth Games: GB22GD/Isle of Man, GB22GM/Scotland, GB22GE/England, GB22GU/Guernsey, GB22GI/Northern Ireland, GB22GW/Wales, GB22GJ/Jersey, GB22HQ/National Exhibition Centre, in Birmingham. QSL all call signs via M0OXO OQRS or LoTW.

TAIWAN, BV. During **the 2022 RSGB IOTA Contest** BM2AAV, BV5OO, BV5PD, BX2AGL, BX3ACH and BX3AC will be QRV as BP0A from Pong-Hu Island, AS-103. QSL c/o ART, P.O. Box 73-326, Taipei, Taiwan.

GABON, TR. Roland, F8EN is QRV as TR8CR until the **end of July**. Activity is on 40, 30, & 20 meters using mainly CW. QSL via F6AJA.

FEDERAL REPUBLIC OF GERMANY, DA. **Special Event Station** DM60CSJ is QRV **until July 31, '22** to celebrate the 60th anniversary of Club Station Jesewitz. QSL via bureau.

SARDINIA, IS0. Gianpi, IK1TTD will be active as ISO/IK1TTD during the RSGB IOTA Contest, July 30 and 31. QSL #1, or #3

TAIWAN, BV. Ken, BW2/JP1RIW will be QRV as BX0QSL from New Taipei City between **July 11 and November 30**, using mainly digital modes. QSL via BM2JCC.

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

POLAND, SN89. Special event station SN89LOT is active on various HF bands **until August 31**.



The station commemorates the 89<sup>th</sup> anniversary of the flight over Atlantic Ocean by two Lithuanian pilots Steponas Darius and Stasys Girenas, who flew from New York in the airplane Lituanica to Kaunas on July 15, 1933. QSL via SP1PMY, or #3. GREECE, SV. Special call sign J43POTA is QRV **until August 31** to promote Parks On The Air, POTA, activity from the Peloponnese region. QSL via LoTW.

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

PHILIPPINES, DU. Mike, W6QT is QRV as DU3/W6QT from Subic Bay until **Sept. 15**. Activity is on 80 to 6M using SSB & FT8. QSL#1

JAN MAYEN, JX. Helge, LB4MI is QRV as JX/LB4MI until early **October '22**. Activity is on 20 and 17 meters using SSB. QSL #1

INDONESIA, YB. Special Event Station s 7B2C, 7B2E, 7B2T, 7B2H and 7B2O are QRV until the **end of October 2022** to celebrate the Javanese-Hindu Ceto Temple that was built in 1475. Activity is on 80, 40, 20, 15 & 10M using SSB & FT8. QSL #1

MEXICKO, XE. Special event station 4A2MAX is QRV **until November 1** to commemorate Saint Maximilian Maria Kolbe. QSL direct to XE2N.

AUSTRAL ISLANDS, TX5. Haru, JA1XGI will be QRV as TX5XG **from November 2 to 9**. Activity will be on 160 to 10 meters using CW, SSB, RTTY and FT8/FT4 (F/H). QSL via JA1XGI direct, via the Bureau, ClubLog's OQRS or LoTW.

ANTARCTICA. Warren, VK7WN is QRV as VK0WN from the Australian Casey Station, possibly **until October**. Lately he has been QRV on 20 meters using SSB around 0430 to 0800z. QSL via operator's instructions.

NETHERLANDS, PA. Special event station PA900UTR is QRV until **November 11** to celebrate the 900th anniversary since Utrecht was granted city rights. Activity is on various bands and modes. QSL via PI4UTR.

JAPAN, JA. Members of the Voice of Toyoake Amateur Radio Club are QRV with special call sign 8N2TY from Toyoake City, Aichi, Honshu Island, IOTA AS-007, **until November 30** to commemorate the 50<sup>th</sup> anniversary of the Toyoake

City. Activity is on 160 meters to 1.2 GHz using various modes. QSL via LoTW.

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

GUINEA, 3X. Jean-Philippe, F1TMY, expects to be QRV as 3X2021 from Conakry **until end of 2022**. He plans to be active on 160 to 6M, and Satellite QO-100. He also plans side trips to the Los Islands, IOTA AF-051. QSL via Club Log.

MEXICO, XE. Zalo, XE3N is QRV as 6F6F **during 2022** celebrating 120th annvsry of Playa del Carmen City, Quintana Roo. QSL via EA5GL.

SWEDEN, SM. Members of the Skoevde ARC are QRV with special call SK50EI **during 2022** to celebrate the club's 50<sup>th</sup> anniver-sary. QSL #3.

SWITZERLAND, HB. Members of USKA Schaffhausen are QRV with Special Event Station HB50SH **during 2022** to celebrate the club's 50th anniversary. QSL via LoTW.

TURKEY, TA. Members of the Turkish Amateur Radio Association are QRV with special call sign TC60TRAC **during all of 2022** to celebrate the club's 60th anniversary. QSL via the bureau.

NORWAY, LA. Special Event Station LA100B is QRV **during 2022** to celebrate NRRL's Bergensgruppen 100th anniversary. QSL via LoTW only.

#### Until 2025

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

#### Notes:

1. QSL direct to home call.
2. QSL via operators' instructions.
3. QSL via bureau
4. QSL via Log Book of The World (LoTW)
5. QSL via eQSL
6. QSL via QRZ.com
7. QSL via ClubLog

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#### **Banquet Tables Available – 7' Long x 30" Wide**

The club has six rectangular banquet style tables that are a little larger than most Field Day tents will easily accommodate, at 7 feet long. They are free to the taker.

Contact Dale at 310-641-8403 if you have a use for them

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**AMATEUR RADIO LICENSING EXAMS:**

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

([www.W6TRW.com](http://www.W6TRW.com)) [Activated, as of Feb. 26]

**ARRL Announces Free Exam Review Website**

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

**Other Free Practice Exam Sites:**

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

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

This Practice Exam site Requires Registration

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

**ARRL LAX Section Officers:**

Section Manager: Diana Feinberg, AI6DF  
PO Box 4678

Palos Verdes Peninsula. Ca 90274-9618

[AI6DF@arrl.org](mailto:AI6DF@arrl.org) or 310-544-2917

Asst. Section Manager: Mark Chung, KK6SMD

[mchung@prodigy.net](mailto:mchung@prodigy.net)

LAX Section Traffic Mngr: Kate Hutton, K6HTN

For Radiogram formatting instructions go to

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

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

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

ARRL [RF exposure calculator](#)

Links: [TRW license test](#)

<http://W6TRW.com/index.php/amateur-radio-license-testing/>

**International Space Station (ISS)**

Monitor -**145.800** mHz.

**PodCast – Amateur Radio News**

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

**YouTube:** [Call Sign History](#)

**On-Line Stores / suppliers:**

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

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

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

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

<http://www.dxengineering.com>

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

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

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

ARRL <http://arrl.org>

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

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

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

**HARC Past & Current Presidents**

1973 Doug Erny, AK7E (former W6NPD)

1974 Orson Just, K6JGV, sk

1975, 76 Tom Rothwell, K6ZT, sk

1977 Tom McInnis, WB6ZEB, sk

1978,79 Sam Weise, W6LXR

1980 Bob Poole, AJ6F, sk

1981 Russ Sanford, 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>

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:

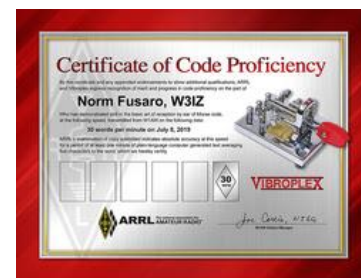
CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 & 15 WPM  
 CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 & 10 WPM  
 CWb = Morse Code Bulletins = 18 WPM

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	7/19		7/21	<b>7/20</b>		7/22		7/25	<b>7/26</b>	<b>7/28</b>	7/29		
Aug.		8/1	<b>8/2</b>	8/4	8/5	8/9	8/10		<b>8/11</b>			8/12	8/16
Aug.	8/16			<b>8/17</b>		8/19	8/18	8/22		<b>8/23</b>	8/26		



**West Coast Qualifying Runs:**

Wed. July 27 @ PM HST (0400 UTC July 28) on 7047.5 & 14047.5 kHz by KH6TU, 10 – 40 WPM.  
 Wed. Aug 24 @ 9 PM PDT (0400 UTC August 25) on 3590 & 7047.5 kHz by K9JM 10 – 40 WPM

Earn your Code Proficiency certificate by legibly coping at least 1 minute of text by hand and mailing the sheet to: W1AW Qualifying Runs, 225 Main St., Newington, CT 06111. Include \$10 (check or money order) if this is a submission for your initial Code Proficiency certificate; \$7.50 if you are applying for an endorsement (available for speeds up to 40 wpm). Your test will be checked against the actual transmissions to determine if you have qualified.

Audio from W1AW's CW code practices, CW/digital bulletins and phone bulletin is available using EchoLink via the W1AW Conference Server named "W1AWBDCT." The monthly W1AW Qualifying Runs are presented here, also. The audio (real-time) runs concurrently with W1AW's regular transmission schedule.

**K1USN Radio Club Announces Weekly Slow-Speed CW Contest**

The K1USN Radio Club in Massachusetts is launching a new weekly, hour-long, slow-speed contest, the [K1USN SST](#). **Fridays 1:00-2:00 pm PDT** (2000z -2100z) and **Sundays, 5 to 6 PM PST** (Monday 0000-0100 UTC) Suggested frequencies: 3.532 - 3.539; 7.032 - 7.039 MHz, & 14.032 - 14.039 MHz. Exchange name & s/p/c. Read [more](#).

**The Straight Key Century Club (SKCC):** [http://www.skccgroup.com/member\\_services/beginners\\_corner/](http://www.skccgroup.com/member_services/beginners_corner/)  
 SKCC Beginner's Corner - Monthly Straight Key Night (SKN) is on the 1st of each month. It is not a contest. No logs are submitted. The Elmer frequency is **7114 KHz**. It's a safe haven for CW newcomers. Elmers are encouraged to monitor the frequency and work the CW beginners, some of whom may have had a license for many years.

**July 1, 2021 – June 30, 2022 CLUB OFFICERS****Elected Officers:**

<b>PRESIDENT:</b>	Brian, AB6UI	AB6UI at AOL.com
<b>VICE PRESIDENT:</b>	Howard, KE6MAK	Karse1 at DSLextreme.com
<b>SECRETARY:</b>	Dale, WB6MMQ	WB6MMQ at ARRL.net
<b>TREASURER:</b>	Paul, KK6TAC	PAGeisel at Verizon.net
<b>STATION MANAGER:</b>	Michael, N6MHD	N6MHD at ARRL.net
<b>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**

**Club Shack:** The club shack is in E1, Lobby D. There is a Kenwood TS-520 HF radio connected to a 40 –10 meter end fed dipole. This station is open to all club members. ( I would be happy to give a tour of the HF station in "Lobby D" to club members. Michael, N6MHD ) **But after covid-19 restriction are removed.**

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

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

**Web Site:** [www.W6HA.org](http://www.W6HA.org) ;.net and ,com will also get you there.

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