



# The Transponder



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

March 17, 2023

Repeater: 445.620 – PL 127.3

Website: W6HA.org

Vol. L, No. 3

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

**\*\*\* NEW LOCATION \*\*\***

**Meeting Notice: Where: \*\*\* El Segundo MASONIC Center \*\*\***

**Location: 520 Main St., El Segundo, CA 90245**

(Parking available off ally along side the building)

**Date: Tuesday, March 21, 2023**

**Time: Pre-Meeting: 11:45 Gather, Exchange Greetings [Setup 11:30]**

**Meeting Call to Order: 12:00 to 1:00 PM**

**Featured Presentation:**

**ARRL 10 Meter Contest –How, Why &Results**

*by Dale, WB6MMQ*

**Up Coming Events:**

**June 9<sup>th</sup>, 2023 – SAMO-100 – Pt Mugu to Zuma Trancas Canyon & back –Comm Spt.**

**June 23, 24 & 25 Field Day – Redondo Beach, Wilderness Park**

2023 – Hughes ARC’s 50<sup>th</sup> Anniversary Year as a Radio Club – Possible Operating - Event ?

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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 next meeting

**Club News:****RTX Park – Tower Training & Contest Fun**

We had a successful day at the RTX Employee's Park earlier this month, including Tower Trailer setup safety training, a contest experience, not to mention lunch.

The day started earlier than advertised with Dale, WB6MMQ and Brian, AB6UI picking up the tower trailer at the King Harbor Yacht Club. Ron, AG6ST had retrieved it from the AES lot on Friday. It was hooked up to Dale's old, but so far, reliable GMC Yukon and towed to RTX, where we met Mike, N6MHD, who coordinated the event with Ken, KI6YDN at RTX.

The first step was to park and disconnect the trailer on a level spot. You may not have noticed, but parking lots are generally NOT level. This is so water drains off and does not puddle up. As we looked the lot over, it was evident that there was a high spot. Exactly on top of the high spot would result in the trailer being level side to side. After unhitching, the trailer was leveled front to back by using the tongue jack. The rest of the procedure was demonstrated after members arrived about 10:30. This involved deploying the stabilizing legs and securing them with the chains, properly crossed and turnbuckles properly tensioned.

Next the Mark V Tri-Bander was assembled and mounted – Coax was connected and it was cranked to altitude – 55 Feet. The Mark V antenna was not used at the June 2022 Field day due to very high SWR readings. Corroded jumper wires and wire lugs that connect the driven elements to the balun were the main suspects – so Brian was prepared with replacements for those items when the Mark V was assembled.

Once assembled and raised, the SWR was checked and found to be good. A QRP rig was connected and then some DX contacts were made with stations working the ARRL International DX Contest. And so, YES, the Mark V was fixed.

But this was a two ring circus. While all that was going on in the parking lot, Dale, WB6MMQ with help from Mark, W6HSC and Phil, N6PNJ, was setting up a 20 meter station in the pavilion area. The intent was to show that DX contacts could be made with an inverted-V Dipole supported by a 30 foot pushup mast. On initial setup, the antenna had

an SWR that was off the Scale. On examination, Mark, W6HSC, noticed that the Balun connection, where the dipole was connected, was touching the mast. We rearranged the dipole tie downs, pulling the balun away from the mast. Success – the SWR dropped to almost perfect at 1.1, demonstrating that an inverted-V can give an almost perfect match to 50 ohm coax – No tuner required.

A laptop with a contest logging program was also setup for the full experience of contesting. But after calling CQDX for a bit, responses were only received from a couple of state side stations in the Midwest and east coast from which we received excellent reports. So it looked like 'Running' (calling CQ and staying on one frequency) was NOT going to work, so I tried "Search and Pounce" (finding a DX station calling CQ DX). I could hear an Italian station, IR2Q. After several calls, I got through the small pileup and worked him. His report (exchange) was 5x9 - 500 (500 watts). My report (exchange) to him was 5x9 - Charlie Alpha (CA for California). That was it.

But I later looked him up on QRZ and found that IR2Q is a club station that was being operated by Luca, IK2PFL. Check him out on QRZ.com. [www.QRZ.com](http://www.QRZ.com) There is an interesting story and pictures. Apparently he likes to activate islands and usually operates CW, but this was an SSB only contest, so I was able to worked him.

Other DX stations were heard, notably, one in China that was quite strong, but I could not break that pile up. Besides, the Hot Dogs were cooking on the grill and Mike said they were ready to eat unless we preferred them burned to a crisp. So food took precedence over working DX.

We packed up a little later and departed just ahead of what looked inclement weather coming.. Thanks to Phil, N6PNJ who lent me a hand getting everything to the car ahead of what looked like eminent rain! - And a good time was had by all.  
Dale, WB6MMQ

If I had asked people what they wanted, they would have said faster horses." ...Henry Ford

## Contests/Special Events: Mar/Apr & All of 2023

### March:

#### **CQ World Wide WPX Contest – SSB** 0000z Sat., 3/25 to 2359z Sun., 3/26.

One of the largest HF contests of the year, the CQ World Wide WPX Contest, SSB, runs from 0000 UTC Saturday, (Fri. 4 pm PST) March 25 through 2359 UTC Sunday, March 26. Participants may operate on the 1.8, 3.5, 7, 14, 21, and 28 MHz bands. The exchange is signal report and a sequential contact serial number starting with 1. Single Operator stations may operate 36 of the 48 hours, and off times must be a minimum of 60 minutes, during which no QSO is logged. Multioperator stations may operate the full 48-hour contest period. Rules and scoring:



[www.cqwp.com/](http://www.cqwp.com/)

### April:

April 15 (1300z) to April 16 (2200) Nebraska QSO Party - [Rules](#)

There are a number of QSO parties in April but the Nebraska QSO parties is a fun one and skip is usually good into the Midwest.

Awards: All entries will receive a participation certificate. As there have been in previous years, depending on sponsors, there will be plaque and gift card awards. These will be posted separately on the website.

### All of 2023:

#### ARRL Volunteers On the Air Jan to Dec '23

03/15/2023	Virginia	W1AW/4
03/15/2023	Ohio	W1AW/8
03/15/2023	Arizona	W1AW/7
03/22/2023	Tennessee	W1AW/4
03/22/2023	New Mexico	W1AW/5
03/29/2023	Washington	W1AW/7
03/29/2023	Vermont	W1AW/1
03/29/2023	Mississippi	W1AW/5
04/05/2023	Pennsylvania	W1AW/3
04/05/2023	Oregon	W1AW/7
04/12/2023	Massachusetts	W1AW/1
04/12/2023	North Carolina	W1AW/4
04/19/2023	North Dakota	W1AW/0
04/19/2023	Nevada	W1AW/7

(See article, this page, below)

## ARRL Letter - Excerpts of Possible Interest

### **ARRL Volunteers On-the-Air Event is Underway**

The year-long ARRL Volunteers on the Air event continues, recognizing the support and contributions of ARRL volunteers. Get on the air and make contacts with as many ARRL volunteers or members as possible. There will be week-long activations of portable W1AW/# stations in all 50 states, and in several US possessions/territories. For a schedule of W1AW/# portable operations, see the [W1AW Portable Activations Schedule](#). Be sure to upload your logs to LoTW and check your score online. Check out the full details at <http://vota.arrl.org>. Join the fun! Visit the official VOTA website for further details: [vota.arrl.org](http://vota.arrl.org)

### **ARRL Bulletins**

#### **Rules Changes Announced for 2023 ARRL Field Day**

A new 500 W peak envelope power (PEP) transmitter output category has been introduced for Class A, B, and C stations only. Changes



to the Get on the Air (GOTA) station scoring have also been made this year. Contacts made from the GOTA station are worth 5 points, regardless of mode, with no limit to the number of contacts that can be made. Stations can earn a GOTA Coach bonus of 100 points for having a coach supervise at least 10 of the contacts made and logged at the GOTA station.

In addition, changes have been made to the Radio Amateurs of Canada (RAC) section list. The Maritime (MAR) Section has been eliminated, making New Brunswick (NB) and Nova Scotia (NS) individual sections. The Greater Toronto Area section has been renamed Golden Horseshoe (GS) and Northern Territories has been renamed Territories (TER). Participants should make sure their logging software has been updated to reflect these changes. For a complete list of ARRL/RAC Sections, see <https://contests.arrl.org/contestmultipliers.php?a=wve>.

ARRL Field Day will be held on June 24 - 25, 2023. For more information and complete rules, visit <https://www.arrl.org/field-day>.

"If you don't find a way to make money while you sleep, you will work until you die."

... Warren Buffett.

## New General Question Pool Released for Ham Radio Licensing Effective July 1, '23 (held over)

The National Conference of Volunteer Examiner Coordinators' (NCVEC) Question Pool Committee (QPC) has



released the [2023 - 2027 General Class FCC Element 3 Syllabus and Question Pool](#) to the public. The new General Question Pool is effective July 1, 2023, through June 30, 2027.

The new pool incorporates some significant changes compared to the 2019 - 2023 version. Its 432 questions were modified slightly to improve wording and to replace distractors; 51 new questions were generated, and 73 questions were eliminated. This resulted in a reduction of 22 questions, bringing the total number of questions in the pool down from 454. ...

The [pool](#) is available as a Microsoft Word document and PDF. The single graphic required for the new General Question Pool is available in the documents, or separately as PDF and JPG file formats.

"The newly revised pool must be used for General-class license exams starting July 1, 2023," ... . The ARRL VEC will supply its officially appointed, field-stocked VE teams with new General exam booklet designs around mid-June."

General class examination candidates [using prior materials] are encouraged to test by, or before, June 30, 2023. New editions ... will be available in [May, for exams taken on, or after, July 1, 2023](#)

**The General - Class Element 3 Question Pool Errata has been released.** The National Conference of Volunteer Examiner Coordinators, NCVEC, Question Pool Committee has released the latest errata for the [2023 - 2027 Element 3 General question pool](#), which goes into effect on July 1, 2023. Nine questions were modified (G1B01, G1C01, G1C02, G5C02, G7C10, G9B05, G9C09, G9D09, and G9D10) and two questions (G9C06 and G9D13) were withdrawn from use. The [pool](#) is available as a Microsoft Word document and PDF. These changes are reflected in the new General Pool download file, dated February 1, 2023.

"Whenever you find yourself on the side of the majority, it is time to pause and reflect." ...Mark Twain

## The K7RA Solar Update - ARLP002

Tad Cook, K7RA, of Seattle, Washington, reports for this week's ARRL Propagation Bulletin, ARLP011:

Six new sunspot groups emerged over the past week: two on March 9, another on March 10, one more on March 12, and another two on March 14.

### Sunspot numbers and solar flux declined this week.

Average daily sunspot numbers softened from 143.6 to 118.7; ave. daily solar flux went from 181.6 to 153.6.

Predicted solar flux is 142, 150, 148, 146, 148, and 146 on March 16-21; 160 on March 22-23; 155 on March 24-26; 150 on March 27-28; 145 on March 29-30; 140, 145, 150, 155, & 160 on March 31 through Apr. 4; 165 on Apr. 5-8; 170 on April 9-11 & 175, 180, 180, 175, 170 & 165 on Apr. 12-17.

Predicted planetary A index is 25 and 10 on March 16-17; 5 on March 18-19; 8 on March 20-21; 5 on March 22-23; 12, 16, 26, 18, 10, 8, 24, and 22 on March 24-31; 16 on April 1-2; 14, 12, 8, and 10 on April 3-6; 8 on April 7-8; 5, 8, 22, and 8 on April 9-12; 5 on Apr. 13-14, & 8 & 16 on Apr. 15-16.

Before Friday's bulletin, check out the information on this DR2W propagation modeling site, recently from WB6MPH and last fall, from KB2S:

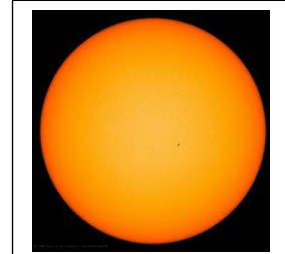
<https://dr2w.de/dx-propagation/>

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 [VOACAP Online for Ham Radio](#) website.

[Share](#) your reports and observations



Solar disk image taken March 16, 2023, courtesy of NASA SDO/HMI.

"Widespread fear is your friend as an investor because it serves up bargain purchases." ...Warren Buffett

**Just Ahead in Radiosports**

(T=Contest; P=Party, S=Sprint)

**A Year-long - operating event - [ARRL Volunteers On the Air \(VOTA\)](#)** - recognizes ARRL volunteers See also the State Activations Schedule for weekly **[W1AW Portable Operations](#)** including these:

- Mar. 15 - Mar. 21 Virginia W1AW/4
- Mar. 15 - Mar. 21 Ohio W1AW/8
- Mar. 15 - Mar. 21 Arizona W1AW/7
- Mar. 22 - Mar. 28 Tennessee W1AW/4
- Mar. 22 - Mar. 28 New Mexico W1AW/5
- Mar. 29 - Apr. 4 Washington W1AW/7
- Mar. 29 - Apr. 4 Vermont W1AW/1
- Mar. 29 - Apr. 4 Mississippi W1AW/5
- Apr. 5 - Apr. 11 Pennsylvania W1AW/3
- Apr. 5 - Apr. 11 Oregon W1AW/7

**Contests:**

- Mar. 18 - 20 -- BARTG HF RTTY T (digital)
- Mar. 18 - 19 -- Russian DX T (CW, phone)
- Mar. 18 - 19 -- F9AA Cup, SSB (phone)
- Mar. 18 -- AGCW VHF/UHF T (CW)
- Mar. 18 - 19 -- Virginia QSO Party (CW, ph, Dig)
- Mar. 19 -- UBA Spring T, SSB (phone)
- Mar. 20 -- Bucharest Digital T (digital)
- Apr. 15 - 16 Nebraska QSO Party (CW, ph, 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: These six are near members or friends of the club in various places.

- March 24 - 25 | [ARRL Maine State Convention and Hamfest](#), Lewiston, Maine
- April 7 - 8 | [Green Country Hamfest](#), hosting the ARRL Oklahoma Section Convention, Claremore, Oklahoma
- April 8 | [Raleigh Hamfest](#), hosting the ARRL North Carolina State Convention, Raleigh, North Carolina
- April 15 | [Sussex Amateur Radio and Electronics Expo](#), hosting the ARRL Delaware State Convention, Georgetown, Delaware.

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...**

**The National Capitol DX Association (NCDXA) Board of Directors has appointed Jack Ference, W3KX, as the new ARRL Third Call Area (W3) Incoming QSL Bureau Manager.** He fills the position of the late Fred Laun, K3ZO (SK), who passed away on January 3, 2023. There were some delays in the transition, and QSLs that were forwarded to the old PO Box were not able to be collected. Incoming QSLs that were sent between December 2022 and March 2023 were returned to the senders by the US Postal Service. Please send any returned QSLs and new shipments to the new address:

W3 QSL Bureau  
NCDXA  
PO Box 190, Glenelg, MD 21737-0190

Amateurs who are in contact with active foreign QSL bureaus or international QSL managers are asked to pass this information along to them. Foreign bureau managers and international QSL managers are asked to contact Ference by email, so their mailing address and contact information can be updated for future business. All questions and inquiries sent to the new PO Box will be answered. Ference can be contacted directly at: Jack J. Ference, W3KX, Bureau Manager, ARRL Third Call Area Incoming QSL Bureau, [W3KX@arrl.net](mailto:W3KX@arrl.net).

**VOTA operations continue at a brisk pace**, with tens of thousands of volunteer and W1AW portable contacts having been made. All points for VOTA scoring must come through Logbook of The World uploads. As announced in the January 2023 issue of *QST*, this is not a QSL card event (there will not be any W1AW portable state activation VOTA QSL cards issued from ARRL Headquarters). Please do not send W1AW portable VOTA QSL cards for VOTA contacts to ARRL Headquarters. W1AW portable VOTA QSL cards received by ARRL Headquarters will not be acknowledged.

**Announcements**

The [EZNEC](#) antenna-modelling software by Roy Lewallen W7EL, is now a free download.

## **ARES Letter - Excerpts of Possible Interest A Brief History of Amateur Radio EmComm Organization**

In the early days, amateur radio and hams were considered irritations and nuisances to the "real" communicators -- the commercial sector and the military. We were almost outlawed, and ultimately relegated to the "useless" frequencies of "200 meters and down." That was until it was demonstrated that we could actually be of use as a service. In 1913, college students/hams in Michigan and Ohio passed disaster messages when other means of communications were down in the aftermath of severe storms and flooding in that part of the country. A Department of Commerce bulletin followed, proposing a dedicated communications network of radio amateurs to serve during disasters. Five special licenses were reportedly issued. A magazine article noted that amateurs were now considered to be essential auxiliary assets of the national public welfare.

ARRL was formed in 1914, and disaster response communications as provided by radio amateurs became organized and useful. In 1920, amateur radio was used to help recover a stolen car, of all things! Soon, the use of amateur radio for natural disasters that we traditionally think of now emerged with hams active in responding to deadly flooding in New Mexico and an ice storm in Minnesota.

More organization followed, with a memorandum of understanding emerging with the American railroad system for amateur radio support when the railroad's wire lines were down: There was an ARRL Railroad Emergency Service Committee. There was even a Q-signal designated: QRR, a kind of land SOS. More reports of disaster response communications provided by amateurs appeared in *QST*, much as they do there and here in this newsletter today. A major New England flood had amateurs supplying the only efficient means of communications from the devastated areas to the outside world, prompting the chairman of the Federal Radio Commission to say the future of radio depended on the amateurs.

Hams worked with the Burgess Battery Company for emergency radio power. Many of us old-timers, including myself, used those batteries when we were kids for our electrical experiments and kits. They looked like tall, thick candle columns! We learned our electrical principles from them. More organization followed, and traffic handling was recommended as the best way to gain discipline and proficiency to prepare for the efficiency and effectiveness needed in response communications situations.

(Continued on Page 7)

## **Free On Line Amateur Radio Operating Class Starts March 30**

Free weekly 3-hour Zoom sessions providing info on a wide range of Amateur Radio Operating Activities will start on Thursday March 30 and run through June 15 at 6:30 PM Eastern time. Each session is independent, so you can attend all or just selected evenings. The presenters will be folks very experienced in the various subjects.

A detailed syllabus will be published before the classes begin. Attend them all, or any that you like, but you must register for the classes. To receive registration information, contact Rol Anders, K3RA, at [roland.anders@comcast.net](mailto:roland.anders@comcast.net).

Info provided by Jerry, K2JRY – Thanks

**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

(Cont. from Page 6)

ARRL Field Day was started to prepare amateurs for portable operation, as was necessary in disaster situations when commercial power and means of communications were down. In 1935, the ARRL Emergency Corps was formed with the goal of having an Amateur Radio Emergency Station in every community -- a goal that remains just as urgent today as it did then! To wit, just look at today's emphasis on the neighborhood and community as "first responder" and on self-reliance in the post-disaster survival chain. More "served agencies" emerged as potential partners, including the Red Cross. In 1936, major flooding across a 14-state region served as the ARRL Emergency Corps' first major testing, serving well, and solidifying amateur radio's status as a critical disaster response communications asset and public service. Communications operating protocols and the appointment of Emergency Coordinators followed.

Technical advances supported this evolution. Spark-gap transmitters gave way to the vacuum tube, making portable operations more viable. Articles on portable transmitters and receivers appeared in *QST*. Exploration and experimentation in the VHF region also spurred more development of portable equipment. The development of the variable frequency oscillator, or VFO -- something that modern generations of hams take for granted -- was at the time a liberating breakthrough offering more versatility and flexibility, and of course more efficiency in meeting the demands of a disaster response communications situation.

World War II meant a shutdown of amateur radio, but many hams joined the War Emergency Radio Service, which did provide some communications during the war period for natural disasters. After the war, ARRL reconstituted its disaster response communications programs and networks, and the first Simulated Emergency Test was run in 1946. The Cold War followed, and the government formed the Radio Amateur Civil Emergency Service (RACES) for civil defense (CD) purposes. It served as the forerunner of the modern emergency management model that we know so well today.

Throughout the 1960s and later up to today, the role, procedures, protocols, equipment, and techniques of amateur radio in public service, disaster, and emergency communications continue to evolve, ebb and flow. This evolution is fueled by advances in Amateur Radio technology and its application, lessons learned from each and every incident that involves amateur communications support. - *Rick Palm, K1CE, based on an excellent article titled "QRR: The Beginnings of Amateur Radio Emergency Communications" by Gil McElroy, VE3PKD, that appeared in the September 2007 issue of QST*

**Lunch Kitty Financials:**

Lunch Kitty Financials:		January	2023
Attendance: : 15			
		Lunch Kitty, Starting Balance:	<b>\$219.50</b>
<b>Expenses:</b>	Pizza (3), Salad =	\$104.00	
	Soda: 8 @ 0.44 =	\$3.50	
	Water: 2 @ 0.25 =	\$0.50	
		<b>Food Total:</b>	<b>\$108.00</b> <b>\$111.50</b>
<b>Income:</b>	Lunch: =	\$94.00	\$205.50
Room Rent - To General Fund:		\$0.00	\$205.50
		<b>Starting Kitty for Feb. 21, 2022 Mtg.</b>	<b>\$205.50</b>
January		<b>Gain / Loss:</b>	<b>\$14.00</b>

Lunch Kitty Financials:		February	2023
Attendance: xx			
		Lunch Kitty, Starting Balance:	<b>\$205.50</b>
<b>Expenses:</b>	Pizza (3), Salad* =	\$100.00	
	Soda: 23 @ 0.42 =	\$9.75	
	Water: 1 @ 0.25 =	\$0.25	
		Food Total:	\$110.00    \$95.50
<b>Income:</b>	Mtg + RTX Lunch: =	\$151.50	\$247.00
Room Rent - To General Fund:		\$0.00	\$247.00
		<b>Starting Kitty for Mar. 17, 2023 Mtg.</b>	<b>\$247.00</b>
February		<b>Gain / Loss:</b>	<b>\$41.50</b>

\*Note for February: Hot Dog, Buns and Condiments for the RTX Park outing were donated by Mike, N6MHD

**Select DX News** (QRV = Ready! or Are you Ready?)**ARLD011 DX news** [Note: 'T' = contest]

This week's bulletin was made possible with information provided by AA2B & KK9A, The Daily DX, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

MINAMI TORISHIMA, JD1. Take, JG8NQJ will be QRV as JG8NQJ/JD1 **until May 15** while on work assignment. Activity will be in his spare time on HF using CW & FT8. QSL direct to JA8CJY.

GEORGIA, 4L. Rene, DL2JRM is QRV as 4L/DL2JRM **until March 20**. Activity is on 40 to 10 meters using CW. QSL to home call.

SURINAME, PZ. Harrie, PA3EHS is QRV as PZ5HS from Para **until March 25**. Activity is on HF using SSB, JT6 & FT8. QSL via PA3EHS.

RWANDA, 9X. A large group of operators will be QRV as 9X5RU near Kigali **from March 22 to April 7**. Activity will be on 160 to 6M using CW, SSB, & FT8 with several stations. This includes being active in Satellite QO-100. QSL via LoTW.

SABLE ISLAND, CY0. A group of operators will be QRV as CY0S **from March 20 to 30**. Activity will be on 160 to 6M, including 60M and 2M EME, using CW, SSB, RTTY, and FT8 with three stations active. QSL via WA4DAN.

CAPE VERDE, D4. Luca, HB9OBD is QRV as D44KIT from Sal Island, IOTA AF-086, **until April 5**. Activity is holiday style on 40, 20, 15, and 10M using SSB & FT8. QSL via EB7DX.

COMOROS, D6. Hiro, JF1OCQ is QRV as D67AA **until March 22**. Activity is on 160 to 10M using CW, FT8, & FT4. QSL #1

PHILIPPINES, DU. Jacek, SP5APW will be QRV as DU1/SP5APW from the Babuyan Islands, IOTA OC-092, **from March 18 to 26**. Activity will be on 40 to 10M using SSB & FT8. QSL#1

SAN ANDRES AND PROVIDENCIA, HK0. Alex, DK8FD will be QRV as HK0/DK8FD from Providencia, IOTA NA-033, **until March 25**. QSL#1 (to home call).

OGASAWARA, JD1. Stations JD1BOI and JD1BON are QRV from Chichijima, IOTA AS-031, **until March 24**. Activity is on 160 to 6 meters using RTTY, FT8, and FT4. QSL via LoTW.

BONAIRE, PJ4. John, KK9A will be QRV as PJ4/KK9A **from March 21 to 27**. Activity will be on 80 to 10M using CW & SSB. This includes being active as PJ4R in the upcoming CQ World Wide WPX SSB contest. QSL via WD9DZV.

GUADELOUPE, FG. Gildas, F6HMQ and Michel, F6GWV are QRV as FG/home calls **until March 26**. They will be active as TO3Z in the ARRL International SSB DX contest and the upcoming CQ World Wide WPX SSB contest. QSL to home calls, and TO3Z via F6HMQ.

SURINAME, PZ. Harrie, PA3EHS is QRV as PZ5HS from Para **until March 25**. Activity is on HF using SSB, JT6 & FT8. QSL via PA3EHS.

EGYPT, SU. Ahmed, 9K2QA is QRV as SU9GA from Cairo. He is active on 80 to 10M. [listed March 2023 – ed] QSL via 9K2QA.

ANTIGUA AND BARBUDA, V2. Bud, AA3K will be QRV as V26K from Antigua **from March 21 to 27**. Activity will be on HF using mostly CW. He will be a Single Op/All Band/High Power entry in the CQ World Wide WPX SSB T. 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

CAPE VERDE, D4. Luca, HB9OBD is QRV as D44KIT from Sal Island, IOTA AF-086, **until April 5**. Activity is holiday style on 40, 20, 15, and 10M using SSB & FT8. QSL via EB7DX.

CANADA, VE. Pierre, VE3KTB is QRV as VY0ERC from Eureka station on Ellesmere Island, IOTA NA-008, **until April 13**. Activity is in his spare time on 20 to 12M using CW, SSB, & FT8, and on the FM Satellites. QSL via M0OXO.

TURKS AND CAICOS ISLANDS, VP5. John AF3K, Ross, W2TT and Diane, KA3FCE will be QRV as VP5/AF3K, VP5/W2TT & P5/KA3FCE, from Providenciales, IOTA NA-002, **from March 22 to 29**. Activity will be on HF using CW, SSB, and digital modes. They will be active as VP5P in the upcoming CQ World Wide WPX SSB contest. QSL VP5/AF3K, VP5/W2TT, and VP5P via N200, and VP5/KA3FCE direct via W2TT.

VANUATU, YJ. Chris, VK2YUS should be back on Efate Island, IOTA OC-035, and plans to be ac-



tive as YJ0CA **from March 18 to 28**. Activity will be on 40 to 10M using SSB. QSL #1

MONTSERRAT, VP2M. Thaire, W2APF is QRV as VP2MDX **until March 28**. Activity is on 80, 40, & 30 meters using CW & SSB. QSL #1.

THAILAND, HS. Lars, SM6NT is QRV as HS0ZME from Hua Hin and is here **until April 2, 2023**, on 40 to 10M using CW. QSL #1

WILLIS ISLAND, VK9/W. Sands, VU2WXW/VK4WXW, is working at the Meteorology Wx Station **until April**. He has been on 40, 20 & 15M and hopes to add 17, 12 & 10M. QSL#7.

WILLIS ISLAND, VK9W. Sands, VK4WXW is QRV as VK9WXW **until April 2023** while working as part of a meteorological team. Activity is in his spare time on 20M using SSB. QSL#2.

WILLIS ISLAND, VK9W. Sands, VK9WX is here **until April**. Activity is in his spare time on 80 to 10 meters. QSL via M0OXO.

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

FEDERAL REPUBLIC OF GERMAN, DA. Special event station DR100XRAY is QRV **until June 30** to commemorate the 100th anniversary since the death of Wilhelm C. Roentgen, the physicist whose discovery of X-rays revolutionized diagnostic medicine. QSL via bureau.

INDIA, VU. Special event station AT2G20 is QRV from Gurugram **until June 2** to promote greater international cooperation through amateur radio in conjunction with the G20 summit being held in New Delhi on September 9 & 10. 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.

**Until End of 2023**

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

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
- 
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**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)

**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.ARRLLAX.org](http://www.ARRLLAX.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.arrl.org/trw-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, WA6NQQ, 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



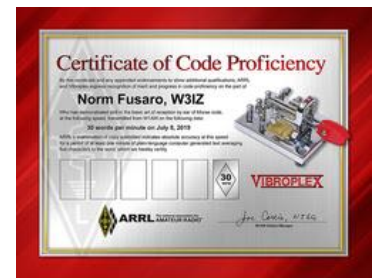
Frequencies (MHz)

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
March	<b>3/16</b>		3/20	<b>3/22</b>	3/21			3/27		<b>3/30</b>	3/28		<b>2/29</b>
April		4/3	<b>4/4</b>	4/6				4/11			4/12		<b>4/14</b>
April	4/18			<b>4/19</b>		4/21	4/20	4/24	<b>4/25</b>	<b>4/28</b>	4/27		

**West Coast Qualifying Runs:**

Sat. Mar 25 @ 2 PM PDT (2100 UTC) on 3581.5, 7047.5, 18097.5, & 21067.5 kHz by K6KPH - Speeds 10 – 35 WPM  
 Wed Apr 26 @ 6 PM HST (0400 UTC on April 27) on 7047.5 & 14047.5 kHz by KH6TU – Speeds 40 – 10 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

**LAFF 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 ) **After covid-19 restriction – now – Mask Required!**

**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 and .com will also get you there.

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