



# The Transponder



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

April 16, 2021 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVIII, No. 4

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

**Where:** The club’s Repeater, and Zoom (See E-mail or Web Site for ID & PW)  
**Location:** Repeater location – “High Above LAX”

**Meeting Notice:** Date: Tuesday, April 20, 2021  
Time: Pre-Meeting: 11:30 Gather, Exchange Greetings  
Meeting Call to Order: 12 to 1 PM (Zoom Audio on Repeater)  
On-Air Roll Call (Sign-In), 11:30 (informal discussion / Greetings)

**Featured Presentation:**

**Nonprofit – Status**

Required changes to Organizational Documents

(Bylaws require these to be sent to members one month before they are asked to vote acceptance)

**Field Day – Plans**

**Election slate & Open Nominations from the Floor** (Election is at May meeting)

**Up Coming Events:**

May Regular meeting Election of officers & Vote to accept Article of In Corp & Bylaws  
June 26, 27 – Field Day 2021

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**Lunch:** You are on your own, but my recommendation: Order some pizza, delivered, from the club’s supplier – Tower Pizza on Lincoln Blvd – 310-410-0986, say Hughes ARC or me, (Dale) sent you.

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

**Wednesday Evenings at 7:30 PM – Hughes ARC members net,** (then Simplex @ 146.55)

**Thursdays about Noon (12:05 PM) Raytheon & other Emergency Communication Teams (ECT)**

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

*This program is not sponsored by the El Segundo Public Library.*

**Club News:**

**President’s corner:**

Hughes Aircraft Company supported social clubs of all kinds from fishing & Ski clubs to Computer and of course the Hughes Amateur Radio club. This was through a non-profit organization called the Hughes El Segundo Employees Association "HESEA". At that time the HESEA provided a Tax payer ID number, liability insurance Non-Profit Status, and even an annual stipend and a club house. Then the official title of the club was the HESEA Amateur Radio Club.

Once GM took over and then Raytheon this support dwindled and we lost all of these benefits. Then in 2019 we even lost the storage area that Raytheon had provided for our field day equipment and tower trailer. Since then we have been pursuing other options for the storage of club equipment. Along those lines it became apparent that it would greatly benefit our club to obtain Non-Profit Organization status. There are several advantages to this but here are a few.

**Credibility.** Donors may prefer to donate to nonprofit corporations because of this credibility

**Limited liability protection.** A nonprofit corporation protects directors, officers and members against being held personally responsible for their company's debts and liabilities.

**Access to grants.** For instance, certain grants and other public allocations are only available to 501(c)(3) organizations. Tax-deductible donations. With 501(c)(3) nonprofits, donations made by individuals to the nonprofit corporation are tax-deductible.

Based on the recommendation from the Club Board we formed a committee headed by Dale Birmingham to look into obtaining Non-Profit Organization status for the club. The committee has been meeting since February and has made excellent progress. The committee has modified the bylaws to include nonprofit requirements and also created Articles of incorporation. And we have had these documents reviewed by an attorney. Although there were several hurdles to overcome with becoming a non-profit I am convinced that this will be extremely advantageous for both the club and all its members.

**Nominating Committee**

The nominating committee has been busy coming up with the Slate of officers for the 2021 – 2022 year. As most of you know our year runs from July 1<sup>st</sup> to June 30<sup>th</sup>. The nominating committee has the responsibility of securing the consent of at

least one person to be nominated for each of the five elected offices. If the incumbents are willing to stand for another year, the job is easy. The slate is presented to the membership in April and nominations from the floor are opened. The election is held in May.

Self-nomination is acceptable; however, if you plan on nominating another person for an office, please secure that person’s commitment to serve, if elected, before nominating that person from the floor. Nominees need to be members in good standing (Dues paid up) with a reasonably good attendance record and should have been with the club for a minimum of one year.

2020 - 2021	Slate 2021 - 2022
<b>Current Officers</b>	<b>Nominees</b>
<u>President</u> <b>Brian, AB6UI</b>	<u>President</u> <b>Brian, AB6UI</b>
<u>Vice President</u> <b>Howard, KE6MAK</b>	<u>Vice President</u> <b>Howard, KE6MAK</b>
<u>Secretary</u> <b>James, W6JIC</b>	<u>Secretary</u> <b>James, W6JIC</b>
<u>Treasurer</u> <b>Paul, KK6TAC</b>	<u>Treasurer</u> <b>Paul, KK6TAC</b>
<u>Station Manager</u> <b>Mike, N6MHD</b>	<u>Station Manager</u> <b>Mike, N6MHD</b>
Immediate Past Pres. <b>Mike, N6MDV</b>	Immediate Past Pres. <b>Mike, N6MDV</b>

Nominations can also be made during the interval between the meetings by contacting the chairman of the nominating committee or any of the three committee members. The chairman is the Past President, Mike, N6MDV, and the members are Betty, N6VZF, severed as V.P. for many terms, Phil, K6PNJ, lead for LA fire CERT, Paul, KK6TAC, current Treasurer . The committee would like to receive these nominations before the May meeting so that if there are multiple names running for an office, the ballots can be prepared ahead of time, allowing for less confusion at the meeting.

The term for newly elected and continuing officers begins on July 1<sup>st</sup>. . . . Editor

[“We pay the debts of the last generation by issuing bonds payable by the next generation,” ...Lawrence J. Peter](#)

## Dr2x Repeater is active

As you may have observed, there is something different about the W6HA Repeater. The old unit which was cobbled together from a couple of surplus mobile radios and some added on control circuits is replaced with a YEASU Dr2x unit. It will operate with analog FM and also with YEASU's C4FM digital mode. It accepts either analog or digital at the input and Transmits in the mode received.

One downside for analog users, most of us, is that digital noise will be heard when monitoring the repeater, if digital radios are using it. Best solution is to enable "Tone Squelch" or "Selective Call" on your HT's receiver so that the squelch is not opened by the digital signal.

With your HT setup like this you will not know if a digital QSO is in progress, just by listening. The 'S' meter will give you an indication if a signal is present. Another way to check is by pushing the monitor button to open (unsquelch) the radio's front end for a moment before transmitting.

Station Manager, Mike, N6MHD offers that, "if there are issues with it, please let me know. If anyone needs help setting up 'tone squelch', (aka 'Selective Call') let me know". . . . editor

## Contests for April - May

**April 18, ARRL Rookie Roundup, SSB, 11am to 4:59 pm (1800 to 2359 UTC) 3.5 to 28 MHz,**

Rookie Roundup is a contest aimed at Amateurs licensed for three years or less. This six-hour event is held three times per year (April, August and December). Rookies can contact anybody, while "Old Timers" make contact with only Rookies. Mentoring is a big part of this event! [Rules](#)

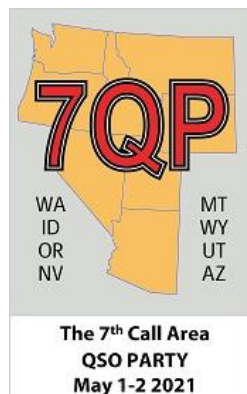
## May 1 (1300z) to May 2 (0700z) 7<sup>th</sup> Call Area QSO Party

Sat, 5/1 6:00am to midnight PST

Time to make your plans for this year's 7QP!

Excellent [7QP presentation](#) put together by Mel/KJ9C.

Rules: [7QP.org](#)



## Nonprofit Committee

So what is new? The club has always operated as a nonprofit; just check the current Bylaws (on W6HA.com).

Well, while that is true, more is required. To actually achieve nonprofit status you need to request and receive a 501(c)(3) determination from the IRS. Beyond that, we can also be a California Nonprofit Corporation. So what does that get us besides a bit more paperwork. And what is needed?

Before the California Secretary of State and the IRS trust that we are actually a nonprofit, they require several clauses in our formation documents, to that effect – mainly that no director or member is being paid, no dividends accrue to anyone and even if we close down the club, all assets go to another nonprofit, etc.

So why? A big advantage of doing this, as a corporation, is the liability protection afforded the officers and yes, the members. We do buy a two million dollar liability insurance policy, every year, which is pretty good protection. However, if we are a corporation, everyone is shielded from liability. Only the club's assets and the insurance company are at risk, if we are a corporation.

Any Other Changes? Are there any other changes that are not strictly for nonprofit purposes? The answer is Yes. In the Bylaws, Article VI, Section 4, Fiscal Authority: is added, to settle a question that often comes up, mainly, how much can the board spend without a vote of the membership. That new paragraph says the Board is allowed to spend up to \$750 without a vote of the membership. (See the distributed Bylaws for the exact wording).

History. The history of expenditures by the Board is as small as \$5 to \$10 for badges, \$50 to \$100 for Field Day food, \$250 to \$300 to repair the repeater, \$500 to \$600 for Field Day Band Pass filters and \$500 to \$700 for significantly discounted repeaters. So, it has, on occasion, come up, "at what level must an expenditure be put to the vote of the membership". Bylaws Article VI, Section 4 proposes \$750.

One of our main goals is to obtain a place for a storage container or access to something similar. Most places such as schools, parks and recreation facilities that may have space available are 501(c)(3) organizations. Even if willing, they are

constrained from helping us unless we are also a 501(c)(3).

Other possibilities are grants, etc. from organizations that can give them, if requested, to 501(c)(3)s. I looked into filing for nonprofit status several years ago, but at that time the club's treasury was so low, we could not even afford the filing fees and storage space was not a problem. So the plan is, that at the May meeting, in one fell swoop, the club members will vote in the affirmative for the Articles of Incorporation, the Amended Bylaws and approve filing for nonprofit status with California and the IRS.

73 Dale, WB6MMQ  
Nonprofit Committee Chair

**Wednesday Net Checkins – Last 4 Weeks**

Consolidated from Howard, KE6MAK's reports

3/21/21		3/21/21		3/24/21		3/24/21		3/31/21		3/31/21		4/7/21		4/7/21		Operator	Name
RPTR	SMPX	RPTR	SMPX	RPTR	SMPX	RPTR	SMPX	RPTR	SMPX	RPTR	SMPX	RPTR	SMPX	Operator	Name		
										X	X			KN6CHP	Nune		
										X	X			KM6FP	Richard		
X	X									X	X			K6FTC	Tom		
	X													N6FTW	Jack		
						X	X	X		X				KM6HVK	BILL		
X	X	X	X	X	X	X		X	X	X	X			N6IET	RICK		
X														N6JZT	HAL		
						X	X	X		X				K5LAX	Kevin		
X	X									X				K6LDQ	JON		
						X	X							KK6MFL	ALICE		
X	X	X	X	X	X	X		X	X	X	X			N6MHD	MIKE		
														<b>NCS</b>	WB6MMQ	DALE	
X	X	X	X					X						KM6PFI	JON		
X	X	X	X	X	X	X		X	X	X	X			K6PNJ	PHIL		
X														KV6R	TIM		
X						X		X						KM6RWQ	KEVIN		
X						X		X						WA6SET	TOM		
								X	X					AG6ST	Ron		
		X	X	X	X									KK6TDU	SCOTT		
		X	X					X	X					AB6UI	BRIAN		
												X		KB6WHV	David		
X														KK6WYW	BOB		
<b>NCS</b>	<b>NCS</b>	<b>NCS</b>	<b>NCS</b>					X	X					KE6MAK	HOWARD		

**Winter & Spring Tech Licensing Classes**

**Technician License Classes**

Congratulations to Mike, N6MDV for two great Technician Licensing classes. The February class had 50 students signed, which is getting a little over the top, so he scheduled another class for the end of March for another bevy of students. Well done Mike.

Lunch Kitty Financials – for Feb., 2020

**Attendance:** 21

Starting Lunch Kitty: \$ 150.75  
 Expenses: Pizza(1) & Salads \$102.00  
 Drinks: Soda: 8 @ 0.375 = \$3.00  
 Water 2 @ 0.25 = \$0.50  
 Food Total: \$105.50 \$ 45.25  
 Income: Lunch: \$108.75 \$154.00  
 Room Rent-To General Funds: \$00.00 \$154.00

Starting - Kitty for Mar 17, 2019 Mtg: \$154.00

[Gain of \$3.25 - \$20.00 for room rent = Loss of 16.75]

**ARRL Letter - Expects of Possible Interest**

**ARRL to Extend Field Day Rule Waivers from 2020, Add Class D and E Power Limit-**

(1<sup>st</sup> published in March)

The COVID-19 pandemic-modified [ARRL Field Day](#) rules from 2020 will continue this June with the addition of a power limit imposed on Class D (Home Stations) and Class E (Home Stations-Emergency Power) participants. The news from the ARRL Board's Programs and Services Committee comes as many clubs and groups are starting preparations for Field Day in earnest. Field Day 2021 will take place June 26 - 27.



"This early decision should alleviate any hesitancy that radio clubs and individual Field Day participants may have with their planning for the event," said ARRL Contest Program Manager Paul Bourque, N1SFE.

For Field Day 2021, Class D stations may work *all other* Field Day stations, including other Class D stations, for points. This year, however, Class D and Class E stations will be limited to 150 W PEP output.

For Field Day 2021, an *aggregate* club score will be published -- just as it was done last year. The aggregate score will be a sum of all individual entries that attributed their score to that of a specific club.

ARRL Field Day is one of the biggest events on the amateur radio calendar. Last summer, a record 10,213 entries were received.

"With the greater flexibility afforded by the rules waivers, individuals and groups will still be able to participate in Field Day, while still staying within any public health recommendations and/or requirements," Bourque said.

The [ARRL Field Day](#) web page contains complete rules and entry forms, as well as any updated information as it becomes available. Join the ARRL Field Day [Facebook group](#). Read [an expanded version](#).

### Archive of Marconi Papers and Correspondence Acquired by California Museum

The [Huntington Library, Art Museum, and Botanical Gardens](#) in San Marino, California, acquired an archive of papers and correspondence to, from, and about wireless pioneer and Nobel Laureate Guglielmo Marconi.



Among the more than 200 pages of correspondence are 31 letters from Marconi to his Chief Engineer, Richard Vyvyan, written between 1902 and 1909, regarding the construction and successful implementation of a transatlantic telegraph system. . . . "Marconi transformed the speed and effectiveness of telecommunication through wireless telegraphy," said Daniel Lewis, who is responsible for the Huntington Library's history of science and technology holdings from 1800 to the present.

Marconi was relentless . . . to try and find out what are the somewhat occult causes which make signals good one night and unobtainable the next," he wrote to Vyvyan in 1907. "I believe I have found, if not very clearly, the cause of the effects noticed." Read [an expanded version](#).

### Intrepid-DX Group Joins Forces with LA7GIA in Bouvet Island Attempt

The Intrepid-DX Group has teamed with DXpeditioner Ken Opskar, LA7GIA, in its quest to activate Bouvet Island, the second-most-wanted DXCC entity according to Club Log. The [3Y0J DXpedition](#) is planned for January through February 2023. A dependency of Norway, Bouvet is a sub-Antarctic island in the South Atlantic. The

last Bouvet activation was 3Y0E, during a scientific expedition over the winter of 2007 - 2008.

"There's a lot to do, and we have a big financial mountain to climb," DXpedition co-leader Paul Ewing, N6PSE, said in [a recent interview](#) with Tim Duffy, K3LR. Ewing will share leadership duties with Opskar in the amateur radio adventure.



A 2018 DXpedition to Bouvet was scuttled after severe weather and an engine problem forced the team -- with Bouvet already in view -- to turn back. . . . "We will plan to spend 20 days at Bouvet and, weather permitting; we plan to have 14 to 16 good days of radio activity."

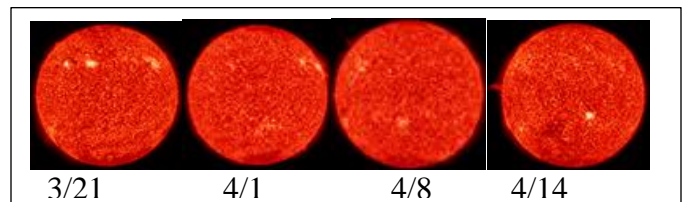
"This will be an arduous and expensive mission. Our budget is \$764,000, and the 3Y0J team will fund much of this mission. We desperately need the global DX community to support . . . activation of the second-most-wanted DXCC entity. It is only through this kind of support that we can achieve our mission of making 100,000 contacts or more from Bouvet."

The Northern California DX Foundation and the International DX Association have already stepped up to the plate.

"We plan to make best use of propagation and modes on 10 - 160 meters," Ewing said in the announcement. Operation will be on SSB, CW, and digital modes. "But I want to make it clear," Ewing told Duffy. "There's no doubt. We *are* going!"

Follow . . . plans via [Facebook](#). Visit the [3Y0J website](#) for more information and to make a donation. Read [an expanded version](#).

### As the Sun Turns - From K7RA's reports

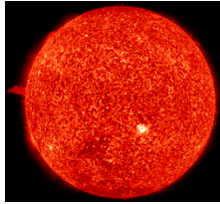


### The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: On April 12, new sunspot group AR2814 appeared following 5 days of no sunspots at all. Daily sunspot numbers on the following

3 days were 16, 16 and, 17 taking the average daily sunspot number for the April 8 - 14 reporting week to 7, up from 6.4 last week. far in 2021, 39% of the days had no sunspots.

Geomagnetic indicators were quiet, with average daily planetary A index declining slightly from 6.6 to 5.1. Likewise, middle latitude A index changed from 5.6 to 4.1.



On April 14, [Spaceweather.com](https://www.spaceweather.com) reported a high-speed stream of solar wind from a hole in the sun's Southern Hemisphere. This could produce a minor geomagnetic storm on April 17.

At 2338 UTC on April 14, the Australian Space Forecast Centre issued this Geomagnetic Disturbance Warning: "Geomagnetic activity is expected to increase to active levels with a chance of an isolated minor storm period from late April 16, due to coronal hole effects."

Predicted solar flux is 74 on April 15 - 19; 72 on April 20 - 21; 75 on April 22 - May 8, and 72 on May 9 - 17.

Predicted planetary A index is 8, 18, 20, and 16 on April 15 - 18; 12, 8, 5, and 10 on April 19 - 22; 8 on April 23 - 24; 5 on April 25 - 26; 10 and 8 on April 27 - 28; 5 on April 29 - May 3; 15 on May 4; 5 on May 5 - 7; 8 on May 8; 5 on May 9 - 10; 8 on May 11 - 12; 5 on May 13, and 20 on May 14.

Frank Donovan, W3LPL, delivered [a presentation](#) on "HF Ionospheric Propagation" for the Central Arizona DX Association.

Sunspot numbers for April 8 - 14 were 0, 0, 0, 0, 16, 16, and 17, with a mean of 7. The 10.7-centimeter flux was 74, 77.8, 70.4, 72.9, 82.8, 72.8, and 74.4, with a mean of 75. Estimated planetary A indices were 5, 3, 5, 6, 5, 5, and 7, with a mean of 5.1. Middle latitude A index was 3, 2, 3, 5, 4, 5, and 7, with a mean of 4.1.

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](#) K9LA's Propagation Page.

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

[Share](#) your reports and observations

"Mr. Wrigley believed in this: Put all your eggs in one basket and watch the basket." ... Ernie Banks

## **Just Ahead in Radiosports** (T = Contest)

April 16 - 17 -- Holyland DX T (CW, ph, dig)  
 April 17 -- Feld Hell Sprint  
 April 17 -- ES Open HF Championship (CW, ph)  
 April 17 - 18 -- Worked All Provinces of China (CW, ph)  
 April 17 - 18 -- YU DX Contest (CW, ph)  
 April 17 - 18 -- CQMM DX Contest (CW)  
 April 17 - 18 -- Tx State Parks OTA (CW, ph, dig)  
 April 17 - 18 -- Michigan QSO Party (CW, ph)  
 April 17 - 18 -- EA-QRP CW Contest  
 April 17 - 18 -- Ontario QSO Party (CW, ph)  
 April 18 -- [ARRL Rookie Roundup, SSB](#)  
 April 18 - 19 -- Run for the Bacon QRP T (CW)  
 April 21 -- RSGB 80-M Club Championship, SSB

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 everywhere:](#)

**Note:** Check the [calendar of canceled events](#) on the ARRL website.

August 13 - 15 -- [QSO Today Virtual Ham Expo \(online\)](#)

August 21 - 22 -- ARRL [Southeastern Division Convention](#) (Huntsville Hamfest), Huntsville, Alabama

Find conventions and hamfests [in your area.](#)

## **In Brief...**

**The SSB [ARRL Rookie Roundup](#) is Sunday, April 18, 1800 - 2359 UTC.** The Rookie Roundup is aimed at hams licensed for 3 years or less. Rookies make as many contacts as possible during this 6-hour event. Rookies work everyone, and non-Rookies work only Rookies. Stations exchange each other's call signs, first names, a two-digit year, and state (US or Mexican), Canadian province, or DX. Rookies can enter as a Single Operator or invite Rookie friends over and operate as Multi-operator. Up to five Single Operator Rookies can also enter from their individual stations and submit their total score as a team. This is a great way for clubs to get newer members on the air, and the perfect opportunity to be a mentor to new licensees. Seasoned operators can join in

the fun by calling "CQ Rookies." This year, the Rookie Roundup takes place during [World Amateur Radio Day](#). Use the opportunity to wish participants "Happy World Amateur Radio Day" on the air. Logs are due on April 21 (within 72 hours after the event). No late entries will be accepted. Complete rules, logging sheets, and links for submitting your score are on the [Rookie Roundup](#) web page.

**Spring Red Cross Emergency Communications Drill Set The**



spring 2021 Red Cross Nationwide Emergency Communications Winlink Drill will be held on May 8, which is [World Red Cross and Red Crescent Day 2021](#). [Details and instructions](#) are available. [Sign up for email updates](#). Ahead of the May nationwide exercise, the American Red Cross (ARC) Emergency Communications training group will continue its Winlink Thursdays training sessions on March 11 and April 8.

\*\*\*\*\*

**Announcements**

- Radio Amateurs of Canada ([RAC](#)) has announced its [Get on the Air on World Amateur Radio Day](#) event. World Amateur Radio Day, on April 18, celebrates the formation of the International Amateur Radio Union ([IARU](#)) on April 18, 1925. The object is to contact as many RAC-suffix stations as possible.
- Special event station GB1PPP marks the April 9 death of Prince Philip, the Duke of Edinburgh, at age 99. A World War II Naval officer, he was the patron of the Radio Society of Great Britain (RSGB).
- Members of the newly formed Seychelles Amateur Radio Association ([SARA](#)) will celebrate World Amateur Radio Day on Sunday, April 18. They plan to operate the club's call sign, S77SARA, for the first time. Activity is expected around 1100 - 1300 UTC.

- **The Ogden Amateur Radio Club ([OARC](#))** in Utah is celebrating its 100th anniversary as an organized club. In May of 1921, Dr. W.G. Garner, W7EW, and five others gathered to establish the club, and Garner was elected president. OARC now uses the last call sign he held, W7SU, as a memorial club station call sign. OARC has been an ARRL-sanctioned club since 1937.
- **Stew Perry** - The dates have been posted for the four Stew Perry [Top Band Distance Challenge](#) events on 160 meters. This year's main Stew in December will occur 1 week earlier than usual -- on December 18 -- to avoid a conflict with Christmas. The schedule for this year is: March 13, June 19, Oct. 23, and Dec. 18.
- **Steve Johnston, WD8DAS**, has purchased [AF4K Crystals](#) and plans to reopen it soon. AF4K Crystals was a source for vintage and modern radio crystals for nearly 2 decades. The company will fill a gap for those seeking to buy quartz crystals for projects.
- **International Space Station (ISS)** - Radio amateurs and others may listen for ham radio activity from the ISS by monitoring 145.800 MHz.

**For Sale: by former Club President Chuck, KN6H, Tower and Antennas – For Free**

Tristao 60' 3-section guyed crank up tower  
 KT-34A 4-section triband beam, 10/15/20 meters  
 CDE Ham III Rotor, TRK80 Tower Raising Fixture  
 Telex HyGain V-2 2-meter vertical

All construction was covered by Torrance City Permit. Everything in very good physical and electrical shape.

I also have a ham who will take it down, deliver to a new location, and set it up. It is available free if the new owner will arrange all the work with this fellow.

Contact Chuck KN6H (310) 325-3184 home  
 (310) 528-7163 Cell  
[CLobb2@aol.com](mailto:CLobb2@aol.com)

**Select DX News** (QRV = Ready! or Are you Ready?)**ARLD015 DX news**

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

SWAZILAND, 3DA0. Look for 3DA0AQ to be QRV **during the CQMM DX contest**. QSL via EA5GL.

AZERBAIJAN, 4J. Special event station 4J880M is QRV to commemorate the 880th anniversary of the birth of 12th century Persian Sunni Muslim poet Nizami Ganjavi. **[listed 4/16/21 – ed]** QSL direct to 4J3DJ.

BAHRAIN, A9. Members of the Bahrain Amateur Radio Society are QRV as A91WARD **until April 18** to celebrate World Amateur Radio Day. QSL via EC6DX.

CHILE, CE. Members of the Radio Club de Chile will be QRV as XR3IARU **on April 18** to celebrate World Amateur Radio Day. QSL via CE3EE.

ARMENIA, EK. Look for EK6RL to be QRV **during the CQMM DX contest**. QSL #1

NEW CALEDONIA, FK. Look for FK8IK to be QRV **during the CQMM DX contest**. QSL #1

ENGLAND, G. Special event station GB0DOE is QRV **until May** to honor the memory of the recently deceased Prince Philip, Duke of Edinburgh. QSL via GB0DOE.

HUNGARY, HA. In celebration of the 230th anniversary of the birth of Samuel F. B. Morse, members of Hungary's Radio Amateur Society will be QRV with special event stations HA230MSE, HA230S, HA230A, HA230M, HA230U, HA230E, HA230L, HA230O, HA230R and HG230MSE **from April 17 to 27**. Activity will be on the HF bands using CW and SSB. QSL via LoTW.

ECUADOR, HC. Members of the Ecuador DX Club will be QRV as HD1DX and HD2DX on **April 17 and 18** commemorate World Amateur Radio Day. QSL via LoTW.

SAUDI ARABIA, HZ. Abdulaziz, 7Z1AL is QRV as HZ1WARD **until April 18** to commemorate World Amateur Radio Day. Activity is on 40 & 20M using FT8. QSL via bureau.

JAPAN, JA. Special event station 8N1MORSE is QRV **until February 28, 2022** to celebrate the 230th

anniversary of the birth of Samuel F. B. Morse and the 120th anniversary of Guglielmo Marconi's first successful transatlantic radio communication by Morse Code. QSL via bureau.

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

US VIRGIN ISLANDS, KP2. Dan, K8RF will be QRV as NP2J in the **CQMM DX** contest as a Single Band/High Power entry on 40M. QSL#1

LUXEMBOURG, LX. Special event station LX5WARD is QRV **until April 25** to mark World Amateur Radio Day. Activity is on the HF bands using CW, SSB, FT8 and FT4. QSL via LX1JH.

SEYCHELLES, S7. Members of the Seychelles Amateur Radio Society will be QRV as S77SARA from Mahe Island, IOTA AF-024, **on April 18** for World Amateur Radio Day. QSL to home call.

GREECE, SV. Juergen, DK3SJ is QRV as SV8/DK3SJ from Lesbos Island, IOTA EU-049, **until Apr. 24**. Activity is on 80 to 10m using CW and SSB. QSL#1

FALKLAND ISLANDS, VP8. Clint, VP8DKP is usually QRV on 40 meters using FT8 during his evenings. **[listed April 2021 – ed]** QSL direct.

INDIA, VU. Special event stations AU8WAR, AT2WAR, and AU2WAR will be QRV **on April 18** to celebrate World Amateur Radio Day. Activity will be on the HF bands. QSL #2

BULGARIA, LZ. Special event station LZ200GSR will be QRV from Sofia from **April 1 to 30** to celebrate the birth 200 years ago of Georgia Sava Rakovski, a historian, and activist for the independence of Bulgaria. QSL via LZ1XM.

KOSOVO, Z6. Driton, Z61DX has been QRV on 20 meters using CW around 1500z. **[listed April 2021-ed]** QSL via Club Log.

PITCAIRN ISLAND, VP6. Meralda, VP6MW has been active on 20 meters SSB around 1520z and 17 meters SSB around 1640z. **[listed April, '21-ed]** QSL via W0VTT.

MALI, TZ. Jeff, TZ4AM has been active using CW on 40 meters around 0145z. **[listed April 2021-ed]** QSL via W0SA.



EUROPEAN RUSSIA, UA. Special event stations R1934G, R108M, RG61PP and R1961G are QRV **until April 30** from the Smolensk Oblast to commemorate the 87th anniversary of Yuri Gagarin's birth and the 60th anniversary of his historic 108-minute first flight. QSL#2

WAKE ISLAND, KH9. Tom, NL7RR plans to be QRV as KH9/NL7RR **until May 15**. Activity will be in his spare time on 40 and 20 meters using SSB. He hopes to operate as KH9/ NL7RR on 40 and 20 meters using SSB. QSL via AL7JX (d/B).

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

ECUADOR, HC. Rick, NE8Z is QRV as HC1MD/2 from the Santa Elena province **until May 15**. Activity is on 40 to 6 meters using CW, SSB, FT8 and FT4. QSL via K8LJG.

MINAMI TORISHIMA, JD1. Take, JG8NQJ will be QRV as JG8NQJ/JD1 **until June 2021**, while on work assignment at the weather station here. Activity is in his spare time on the HF bands using CW. QSL direct to JA8CJY.

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

POLAND, SP. Members of the SEDINA Contest Club are QRV with special event call sign SQ0MORSE from Szczecin **until April 30** celebrating 230th anniversary of the birth of Samuel F. B. Morse. Ops is on HF bands. QSL via SP1EG.

FEDERAL REPUBLIC OF GERMANY, DA. Special event station DC220GERKE is QRV **until April 30** to commemorate the 220th birthday of Clemens Gerke, a German pioneer of telegraphy who revised Morse code to its present form. Activity is on the HF bands. QSL via DJ6SI.

BENIN, TY. Ian, ZS6JSI is QRV as ZS6JSI/TY from Parakou until June. Activity is in his spare time on 80, 40 and 20 meters using SSB and FT8. QSL via EC6DX.

SVALBARD, JW. Erling, LB2PG is QRV as JW/LB2PG from Bear Island, IOTA EU-027, **until June 1**. Using SSB on 80 to 20M. QSL #1

ANGOLA, D2. Paulo, CT1FJZ is QRV as D2FJZ from the Province of Cuando-Cubango until **September 2021** while on work assignment. Activity is on 80 to 10 meters using SSB. QSL direct to home call.

UK SOVEREIGN BASE AREAS ON CYPRUS, ZC4. Garry, 2M1DHG is QRV as ZC4GR for the next few years. **[listed Jan. 2021 - ed]** Activity is mainly on 40 to 10 meters using SSB and FT8, and possibly SSTV, PSK31 and WSPR in his spare time. QSL via EB7DX.

SERBIA, YT. Members of the Serbian CW Club are QRV with special event station YT165TESLA during **all of 2021** to commemorate the 165<sup>th</sup> anniversary of Nikola Tesla's birth. QSL via YU1MM.

ARGENTINA, LU. Special event station L21RCA is QRV **during all of 2021** to celebrate the 100th anniversary of IARU member society Radio Club Argentino. QSL via LU4AA.

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

GEORGIA, 4L. Peter, G4ENL plans to be QRV as 4L1PJ from Svaneti while on work assignment. He expects to be here for the **next few years. [listed Jan. 2021-ed]** Activity is on various HF bands using SSB. QSL via N4GNR.

CHATHAM ISLANDS, ZL7. Operators Chris, ZL2DX and Catherine, ZL2QT are QRV as ZL7DX and ZL7QT, respectively, from Waitangi, IOTA OC-038, **(until July 2021 – ed)**. Activity is on the HF bands and 6M EME. QSL via M0OXO.

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

**Until 2022**

REPUBLIC OF KOREA, HL. Kang, DS4DRE is QRV as DS4DRE/4 from Komun Island, IOTA AS-060, until the **end of January, 2022**. Activity is on 80 to 10 meters using CW and SSB. QSL #1

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

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

**Until 2025**

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

**Notes:**

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

**AMATEUR RADIO LICENSING EXAMS:**

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

([www.W6TRW.com](http://www.W6TRW.com)) [inactive - Covid-19-ed]

**ARRL Announces Free Exam Review Website**

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

**Other Free Practice Exam Sites:**

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

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

This Practice Exam site Requires Registration

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

**ARRL LAX Section Officers:**

Section Manager: Diana Feinberg, AI6DF  
PO Box 4678

Palos Verdes Peninsula. Ca 90274-9618

[AI6DF@arrl.org](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) .

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

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

Links: TRW license test

<http://w6trw.com/index.php/amateur-radio-license-testing/>

**PodCast – Amateur Radio News**

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

On-Line Stores / suppliers:

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

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

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

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

<http://www.dxengineering.com>

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

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

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

ARRL <http://arrl.org>

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

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

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

**HARC Past & Current Presidents**

1973 Doug Erny, AK7E (former W6NPD)

1974 Orson Just, K6JGV, sk

1975, 76 Tom Rothwell, K6ZT, sk

1977 Tom McInnis, WB6ZEB, sk

1978,79 Sam Weise, W6LXR

1980 Bob Poole, AJ6F, sk

1981 Russ Sanford, WA6NQO, sk

1982, 83 Chuck, KN6H

1984 John Bennett, WD6BAI

1985 Scott Fraser, KN6F

1986, 87 Ed, K6GQV

1988 John, WA6LOD

1989, 90 John, KJ6AW

1992 Bruce, WB6ARE

1993 Rick, KD6DYN

1994

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

2000,1,2 Bruce, W6BLS

2004,5,6 Ed, N6EG

2007 - 2014 Barry, KG6NWJ

2015, 16, 17 – Dale Birmingham, WB6MMQ

2018-19 Mike, N6MDV (Past President)

2020 – Brian, AB6UI (President)

**Southern California Band Plans:**

**Tasma** – 2 Meters

<http://www.tasma.org/TASMA-2m-Band-Plan.pdf>

220 MHz Spectrum Mngmnt Assoc. of So. Ca

**220SMA BAND PLAN**

<http://www.220sma.org/index.htm>

**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:

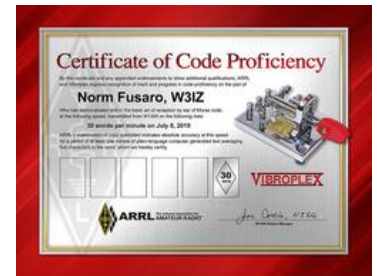
CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 & 15 WPM  
 CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 & 10 WPM  
 CWb = Morse Code Bulletins = 18 WPM

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 in Dec. W1AW will transmit Qualifying Runs up to 16 times per month.  
 Time is PST: [10 – 35 wpm – **Bold 35 – 10 wpm**] – on CW Frequencies listed above.

Month	6 AM	1 PM	4 PM	7 PM	6 AM	1 PM	4 PM	7 PM	6 AM	1 PM	4 PM	7 PM	6 AM
<b>Apr.</b>	4/20		4/22	<b>4/21</b>		4/23		4/26	<b>4/28</b>	<b>4/29</b>			
<b>May</b>		5/3	<b>5/4</b>	5/6	5/7	5/11	5/12		<b>5/13</b>			5/14	
<b>May</b>	5/18		5/20	<b>5/19</b>		5/21			<b>5/26</b>	<b>5/27</b>	5/28		



**West Coast Qualifying Runs:**

**Wed Apr. 28 @ 9 PM PDT** (0400 UTC Apr. 29) on 7047.5 & 14047.5 kHz by KH6TU, 10 – 40 WPM  
**Wed May 26 @ 9 PM PDT** (0400 UTC May 27) on 3590 & 7047.5 kHz by K9JM, 10 – 35 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.

**2020 – 2021 CLUB OFFICERS****Elected Officers:**

<b>PRESIDENT:</b>	Brian, AB6UI	President at W6HA.com
<b>VICE PRESIDENT:</b>	Howard, KE6MAK	W6HA_VicePresident at W6HA.com
<b>SECRETARY:</b>	James, W6JIC	W6HA at W6HA.com
<b>TREASURER:</b>	Paul, KK6TAC	Treasurer at W6HA.com
<b>STATION MANAGER:</b>	Mike, N6MHD	W6HASTationMgr at W6HA.com
<b>Immediate PAST PRES.:</b>	Mike, N6MDV	W6HA at W6HA.com

**Committees:**

<b>NEWSLETTER EDITOR:</b>	Dale, WB6MMQ	W6HA_Editor at W6HA.com
<b>QUARTERMASTER:</b>	Mike, N6MHD	W6HASTationMgr at W6HA.com
<b>WEB MASTER:</b>	Mike, N6MDV	W6HA at W6HA.com
<b>MEMBERSHIP:</b>	Dale, WB6MMQ	W6HA at W6HA.com
<b>SCRRBA REP:</b>	Ray, WA6NVL	WA6NVL at ARRL.net
<b>MEETING HOST:</b>	Dale, WB6MMQ	W6HA at W6HA
<b>Asst. Host:</b>		W6HA at W6HA
<b>FoTL Conf. Rm. Coor:</b>	Judi, KI6TKT	
<b>FIELD DAY :</b>	Mike, N6MDV, Brian, AB6UI	FieldDay at W6HA.com
<b>MEMBERSHIP:</b>	Dale, WB6MMQ	W6HA at W6HA.com
<b>NET COORDINATOR:</b>	Howard, KE6MAK	W6HA at W6HA.com
<b>YAHOO GROUPS MOD:</b>	Richard KM6FP	W6HA at W6HA.com ( <a href="http://groups.yahoo.com/w6ha">http://groups.yahoo.com/w6ha</a> )
<b>CLASS MODERATOR:</b>	Mike, N6MDV	W6HAClass at W6HA.com

**CLUB REPEATER:** W6HA 445.620 MHz (-) PL 127.3 Hz Location: Bldg. R1 roof  
**Packet** (node :hughes) 145.61s W6HA

**HARC Repeater Nets: Wednesdays, 7:30 PM (0230 UTC Thursdays)**

**Thursdays, 12:05PM (1905 UTC) RTN ECT – All are welcome**

**South Bay ARC Net: Thursdays at 7:30 PM on W6SBA/R, 224.38, PL 192.8**

**LAFD CERT Net: 1<sup>st</sup> Tuesday of the month, 7:00 PM**

**HAC NET: Hughes ARC - 14.233 mHz +/- QRM, 2<sup>nd</sup>, 4<sup>th</sup>, 5<sup>th</sup> Tuesdays, 2000 UTC (13:00 PDT) – Tests in , 2020**

**Club Shack:** The club shack is in E1, Lobby D. There is a Kenwood TS-520 HF radio connected to an 40 –10 meter antenna. This station is open to all club members. ( I would be happy to give a tour of the HF station in "Lobby D" to club members. Brian, AB6UI, Station Manager )

**Club Newsletter:** If you have items that would be of interest to the club, any comments, letters, or items for sale or trade please email it to Dale, WB6MMQ W6HA\_Editor (at) W6HA.com. If anyone needs a club application, please contact Dale, WB6MMQ and one will be sent to you.

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

**Web Site:** <http://www.W6HA.com> or [W6HA.com](http://W6HA.com)

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The Hughes Amateur Radio Club is an ARRL affiliated club for FCC-licensed amateur radio operators and their family members. Membership is open to all Amateur Radio Operators and those who are aspiring Amateur Radio operators.

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