



The Transponder



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

May 14, 2021 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVIII, No. 5

***** 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, May 18, 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:

Election Slate & Close Nominations from the Floor

Nonprofit – Shall the Club become a California Nonprofit Public Benefit Corporation?

Near Vertical Incident (NVIS) Antennas, by Michael, N6MHD

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:**Presidents Corner May 2021**

Many months ago, the club officers formed a committee to explore how to make the club a charitable Corporation under IRS rules 501(c)(3). The board voted and agreed to proceed along these lines and although our current by-laws DO-NOT require a vote on this issue, by the full membership, we felt that such an important decision, regarding the future of the club, should be brought before the club membership for a vote.

Our current by-laws DO require that the club membership votes in order to make changes to club by laws and constitution "articles". **The committee has rewritten the club by laws and created new articles of incorporation "constitution" specifically for making the club a charitable Corporation under IRS rules 501(c)(3).** These updated club documents fit the Federal and State required legal standards. The team has worked on these documents for five months (meeting weekly) and **has consulted attorneys** as to the appropriate legal content. We published them along with the April Club newsletter for review. We received comments, the committee took each and every comment seriously, and revised the documents as appropriate. If we file to be a corporation there is a filing fee of \$400 and other minimal expenses. We will also be required to file a "postcard" statement each year. So the only annual maintenance fee is the cost of a postage stamp.

The decision whether to incorporate depends our Club's mission, current and planned activities.

One of the primary reasons for incorporation is limited liability protection. **Without forming a legal entity, the members' and directors' personal assets (home, retirement savings...everything) are at risk in a lawsuit. Incorporating provides limited liability protection, which means only the organization's assets can be targeted.**

Other considerations for incorporating are being able to accept tax deductible charitable contributions and the ability to apply for grants both public and private. It also adds legitimacy to our organization and its mission. The suffix "Inc.," and existing in the state's records are solid trust factors for the community and potential donors **All of which our benefit our club!**

We could participate in the Amazon Smile and Kroger programs. These programs are expected to generate approximately \$400/year based on the W7FLO ARC experiences. (Note: the W7FLO ARC in Florence Oregon has about the same number of active members as W6HA. So we could recoup our initial \$400 expenditure in the very first year and continue to receive a similar amount each and every year.)

Not only that but a 501(c)(3) corporation also allows us to request grants. (Last year alone "2020" the W7FLO ARC applied for and received \$4700 in grants.)

How would these additional funds help our club?

Due to Raytheon selling off some property (in 2019) we lost both our storage space for the club Tower Trailer as well as the CONEX box "field day" storage unit. We worked very hard to find a new location for the Conex box and had several promising leads but in the end all our requests were denied. Which some believe was due to the fact our club was NOT a 501(c)(3).

Due to the loss of the Conex box the club field day equipment has been divided up among the club members making inventory management very difficult. Having a centralized location for all the club equipment would make pulling equipment together for Field Day, community events such as local 5/10K races, extreme trail running events and inventory management much easier. But it is critical to providing a timely response to disasters like earthquakes, fires etc.

Due to my personal relationship with Santa Monica Bay Maritime Training Inc. and SS Ship 618 we were able to store the tower trailer at the AES plant in Redondo Beach. Santa Monica Bay Maritime Training Inc. is a 501(c)(3)1corporation, and they were able to obtain space on AES property based on their nonprofit corporation status to store their boats. **So in reality we really should not be keeping our club equipment in the AES lot at all.** (Note: That property was recently sold and even that situation could change at any time.)

Not only does our club tower trailer need a long term storage solution it is also in desperate need of sanding, painting and other repairs.

As you know upgrading and maintaining club equipment costs money and rather than have to rely on personal donations (as we have in the past) or raising membership dues having additional potential income from the Amazon Smile and Kroger programs and grants would go a long way.

So please join with me and the undersigned in supporting this important step in building a brighter future for the Hughes Amateur Radio Club.

W. Brian Johnson
AB6UI W6HA ARC President

Howard Karse
KE6MAK W6HA ARC Vice-President

Paul Geisel
KK6TAC W6HA ARC Treasurer

Pros/Cons Things to Know before possibly incorporating or becoming a 501(c)(3)

Mike N6MDV, Past Club President

Steve KI6GUY, Past Club Vice President

The intent of this article is to provide a facts and truth, unbiased list of things to consider before a club member votes on anything.

Many months ago, the club officers formed a committee to explore how to make the club a charitable organization under IRS rules 501(c)(3). As part of that process the committee decided that the club also needed to be incorporated and registered with the state of California as a corporation. To achieve these objectives the committee has rewritten the club by laws and created a new articles of incorporation or constitution for the club. You will be asked to vote on whether we should revise the by laws and adopt the constitution.

At the May officer's meeting it was decided to have two votes. One which would modify the bylaws and make the club a 501(c)(3) and a second vote on whether we should adopt the constitution and become a corporation. It turns out that a 501(c)(3) does NOT need to be a corporation. Being a corporation would require more formality in meetings and paperwork to be filed periodically with the state.

Some members of the club doubt that becoming a 501(c)(3) or a corporation would benefit the club, while others believe there is value. Please read this article to form an opinion before the vote. What we decide may have long lasting impact on the club.

The club's stated purpose is (per the existing bylaws):

The Hughes Amateur Radio Club is a non-profit organization formed to further the exchange of information and cooperation between members, to promote radio knowledge, fraternalism and individual operating efficiency and to so conduct club programs and activities as to advance the general interest and welfare of Amateur Radio in the community.

The club has been in existence since the 1970's. We currently have 57 paid-up members. Our club treasury has about \$2,500. In 2018, the balance was about \$1,000. The increase came mostly from more paid club members' dues and some from sale of equipment that we could no longer store in the club container, and honorariums for support of ultra marathon races. Beyond the treasury dollars, the club does have the repeater (actually 3 transceivers, only one is on the air), numerous antennas, tables, cables, and other ham items. Our biggest physically, and most irreplaceable asset is our 55 foot crank up tower. Since we lost use of the

container at Raytheon, our equipment is being stored at members' houses and the trailer is stored courtesy of another group at a parking lot to which they have access.

Overall, we are not a "rich" club compared to some Ham clubs which have budgets of many thousands of dollars per year. Then again, we do have good assets that enable field day and out reach to the community. Our primary on-going expenditures have been \$200 per year for ARRL club insurance, \$200 for library room use or zoom, some funding for food at field day, and occasional repair items. Other one-time significant expenditures have been \$750 for the Yaesu DRX2 repeater, recently installed, \$500 for a Yaesu DRX1 repeater that we have used on supporting ultra marathon races, approx. \$600-\$800 for band pass filters and a triplexer used on field day. \$150 for a multiband antenna installed on top of E1 to support the D lobby ham shack. Dollar values are from memory, likely close to actual costs.

If nothing changes, our future expenditures will likely continue with the annual insurance, some field day food, and occasional expenses. One large looming expense is refurbishing of the club's crank up antenna tower trailer. It is over due for rust removal and repainting. Costs have been estimated to be \$1000-\$2000 depending upon how it is done.

Other potential future expenses might be acquisition of a storage container for our equipment; as well as rental space for the container and antenna trailer. The container cost would be a few thousand dollars. Rental space would be an ongoing annual expense, with an unknown cost, expect at least \$1000 per year and likely higher.

If we file to be a corporation there is a filing fee of \$400 and ...other expenses.

So we have choices to make. We can continue as we are with the focus on field day, monthly ham technology related meetings, support of races, operating the repeater, technician license classes, weekly nets, and occasional skills days. Our equipment would be continued to be stored at members' houses – making it less easy to access and at higher risk of being lost. How long we can continue to store our trailer is an unknown.

Or we could work to increase our annual club finances to cover the trailer storage, possibly acquire a container and pay for its storage, plus do what we have been doing. Becoming a 501(c)(3) has been suggested as a way to help with finding storage, presuming that some organization would be willing to donate space or funds to us.

Do we need to become a 501(c)(3) to find a place to store the trailer?

No, we are storing it now. When looking for a place to store our previous storage container no group that considered giving us a space asked if we were a 501(c)(3).

Would becoming a 501(c)(3) help us financially?

Possibly. We could participate in the Amazon Smile program which would provide 0.5% of dollars spent by club members that use Amazon and use the Smile URL. There is a similar program at Kroger. There may be some individuals that would like a charitable tax deduction.

Do we need to incorporate to become a 501(c)(3)?

No. Requesting a 501(c)(3) determination from the IRS does not require being a Corporation. Any "association" can do it if they have appropriate statements in the by-laws to submit with the application.

Requesting a 501(c)(3) determination from the IRS is done by completing a Form 1023-EZ online & paying a fee. It takes a few weeks to get the letter with the EIN. A Form 3500A (together with a copy of the IRS letter) is filed with FTB to get CA tax exemption.

What is the ARRL club insurance?

It is a comprehensive general liability policy provides coverage for lawsuits resulting from bodily injury and property damage at Club-sponsored activities. The policy provides up to \$1,000,000 in coverage for each occurrence and up to \$2,000,000 in aggregate coverage each year. Officers and members are insured when named in a covered lawsuit as a result of Club activities when they are acting on behalf of the Club. See the ARRL web site for additional information.

Does incorporating reduce liability risk for members or officers?

To some degree. There are news reports of officers of corporations as individuals in addition to the corporation being sued by customers who believe they were harmed by the PRODUCT of the company. The club has no product. The club is most likely to be sued by an individual or an individual's estate because of an action (or lack of action) by a club member.

Becoming a corporation (with extremely limited financial assets & no attorney on retainer) seems to be much less "protective" than having a liability waiver as part of membership application (& for participating in club activities as a guest) stating that everyone is participating as individuals & everyone is responsible for his/her own personal safety.

Will becoming a 501(c)(3) and/or a corporation improve our club's program?

Unknown. It may help find a place to store our physical assets, which could be good. It may also distract the club's focus from Ham radio technology into fund raising.

How does Amazon Smile and Kroger awards program work?

After the Amazon "Smile" registration is approved they send an email with a unique URL (that includes the EIN). People can use that URL to order from Amazon & Amazon will donate 0.5% to the organization (quarterly -- holding amounts until > \$5) via ACH into the checking account.

After Kroger registration is approved they send an email with the NPO number for the organization. People must log onto the Ralphs/Food4Less web site to associate their loyalty card (or phone number) with that NPO number & then use their card when shopping. Kroger mails a check each quarter. Kroger payments may be a higher percentage than Amazon.

Nonprofit Committee - Comments

See The April Transponder, Page 3 for the Nonprofit Committee's article on Nonprofit. The vote on accepting the Article of Incorporation and the revised By-laws is moved to the **June** meeting, to allow everyone a full 30 days to review the new and modified documents.

Since there seems to be at least a few people that are not in favor of the idea, a vote is planned to settle the issue at the **May** meeting to determine if the membership is generally in favor of forming a California Nonprofit Public Benefit Corporation. If favorable the vote to accept the documents will be held in June.

Without doing a lot of research, two examples of respected Amateur Radio Clubs that have formed nonprofit corporations, have come to my attention, as follows:

- 1) Santa Barbara ARC (www.SBARC.org) Under "Club Info" tab check their:
 - a. Mission Statement: "SBARC is a non-profit public benefit corporation . . ."
 - b. Club History, Historic Milestones:
 - i. May, 1957 - SBARC members approved the Articles of Incorporation of the Club
 - ii. November 1976 - The Club received its Internal Revenue Service classification of a 501(c)(3) Non-profit . . .

Note that the Santa Barbara ARC formed their Corporation nineteen (19) years before filling for 501(c)(3) status with the IRS. They apparently were first concerned about liability, then, somewhat later, tax issues.

2) Ogdan ARC (<http://www.ogdenarc.org/>) Under "About/History":

- a. Just under opening statements, "OARC is a Utah Non-Profit Corporation . . ."

Note: The Ogdan ARC is listed under 'Announcements' in this month's 'Transponder' as celebrating their 100th Anniversary this month.

Officers Slate for 2021 2022 Year

The Slate of officers for the 2021 – 2022 year is shown below. As most of you know our year runs from July 1st to June 30th. 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. The slate was presented to the membership in the April Transponder and nominations from the floor were opened. The election will be held at the May General meeting.

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

The term for newly elected and continuing officers begins on July 1st and runs through June 30, 2022. . . . Editor

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 - Excepts of Possible Interest ARRL to Extend Field Day Rule Waivers from 2020, Add Class D and E Power Limit-

(1st

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 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 Adds Second Physician for Trip to "Cold and Inhospitable" Bouvet Island

"Bouvet is like the Mount Everest of DXCC entities," [3Y0J DXpedition](#) co-leader Paul Ewing, N6PSE, said. "It is among the most challenging entities to activate due to significant transportation costs and personal sacrifices required by the team to make the 42-day round trip. Fortunately, Bouvet is not our first mountain." The DXpedition's website describes Bouvet as, "a cold and inhospitable place." At 54° S, Bouvet Island, a sub-Antarctic island in the South Atlantic and a dependency of Norway, is the most remote place on Earth.



Ewing announced recently that Mike Crowover, AB5EB, a veteran emergency room physician, has joined the 3Y0J DXpedition team to pair with ER doctor Bill Straw, KO7SS. The DXpedition is set for January - February 2023, but the planning stage to activate the second-most-wanted DXCC entity is well under way, with the team researching polar-quality tents and equipment and discussing antenna specifications with various manufacturers.

"We will make careful choices to help us meet the demand for Bouvet contacts," Ewing said. The 3Y0J team has set a goal of making at least 100,000 contacts from Bouvet. "3Y0J will be a DXpedition with a focus on good, fast, and accurate operating. QSO rates will be very high," Ewing said. "We have assembled a team of strong operators who will strive to work everyone. We will focus on CW/SSB/digital for the 10 - 160 meter bands. Our goal is to match our VP8STI/VP8SGI achievement with 135,000 contacts made."

Ewing said that in the later stages of the DXpedition, operators will use "proven techniques" to work the weakest of callers. "We will also use techniques to work the youth in our audience," he added.

No real-time log search will be available, but 3Y0J will upload to Club Log and to M00XO Log Search each day, Ewing said.



The DXpedition has an estimated budget of \$764,000, with each team member contributing a minimum of \$20,000 each. In April, ARRL awarded a Colvin Grant of \$5,000 to the Intrepid-DX Group to help in funding the 3Y0J DXpedition. Ewing and ARRL member Ken Opskar, LA7GIA, will share DXpedition leadership duties .

Follow the DXpedition plans from the [DXpedition website](#) and [Facebook page](#).

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Sunspot activity returned last Friday and has held steady since. Average daily sunspot numbers rose from 11.9 to 21.1, and average daily solar flux was up 2.1 points to 74.3.



Geomagnetic activity was quiet until Wednesday, when the planetary A index went to 41, as the result of a coronal mass ejection (CME) that blasted out of the sun on May 9. It was not expected to be very strong, but when it struck on May 12 it sparked a G3-class geomagnetic storm -- the strongest in the current solar cycle.

The planetary A index rose to 41, far above an average of 3.8 on the previous 6 days. The average daily planetary A index for the May 6 - 12 reporting week was 9.1, and average middle-latitude A index was 7.4.

Predicted solar flux over the next month is 76 and 78 on May 13 - 14; 80 on May 15 - 18; 78 and 77 on May 19 - 20; 79 on May 21 - 22; 80, 79, 78, 77, and 73 on May 23 - 27; 72 on May 28 - 30; 70 on May 31 - June 1; 71 and 75 on June 2 - 3; 76 on June 4 - 5; 74 on June 6 - 7; 75 on June 8 - 9; 77 on June 10, and 79 on June 11 - 13.

Predicted planetary A index is 22 and 10 on May 13 - 14; 5 on May 15 - 16; 16, 14, 8, 10, and 8 on May 17 - 21; 5 on May 22 - June 5; 8, 5, and 8 on June 6 - 8, and 8, 5, 12, and 18 on June 9 - 12.

Electronics Notes included an item recently about [Using Sporadic E, Es Propagation for Amateur Radio](#). Also check out [this useful online sporadic E tool](#).

Sunspot numbers for May 6 - 12 were 0, 15, 17, 18, 36, 31 and 31, with a mean of 21.1. The 10.7-centimeter flux was 70.8, 74.5, 71.6, 75.9, 76.5, 76.1, and 74.7, with a mean of 74.3. Estimated planetary A indices were 4, 3, 3, 4, 6, 3, and 41, with a mean of 9.1. Middle latitude A index was 2, 3, 4, 6, 8, 4, and 25, with a mean of 7.4.

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

Just Ahead in Radiosports (T = Contest)

May 15 - 16 -- NZART Sangster Shield T (CW)
 May 15 - 16 -- His Majesty King of Spain T (CW)
 May 15 - 16 -- Feld Hell Sprint
 May 16 -- FISTS Sunday Sprint (CW)
 May 16 - 17 -- 28 Run for the Bacon QRP T (CW)
 May 19 -- RSGB 80-M Club Championship (Dig)
 May 20 -- NAQCC CW Sprint

June 26, 7 – ARRL Field Day - [Rules](#)

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.

May 15, 6 -- [The International DX Convention](#) (online)

May 20, 2 -- [Dayton Hamvention](#) (online)

June 5 -- [ARRL Northwestern Division Convention](#) (SEA-PAC; online)

August 14, 5 -- [QSO Today Virtual Ham Expo](#) (online)

August 21, 2 -- ARRL [Southeastern Division Convention](#) (Huntsville Hamfest), Huntsville, Alabama

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

In Brief...

A Very High Speed Club special event is active during May. Special event

call sign [OZ60VHSC](#) will commemorate the 60th



anniversary of the founding

of the Very High Speed Club ([VHSC](#)) on May 1, 1961. Leading the group at its founding were PA0LXL, DL1XA, and DJ4KW, who sought operators who could copy at 40 WPM solid, for at least 30 minutes, encouraging CW traffic in general and QRQ (high-speed) traffic in particular. Members sponsor new membership candidates. Some of the 29 original VHSC members are still active. They include PA0LXL, DJ4KW, DJ5ZN, DJ3VY, N9SW, and G3KMQ.

[Ham Census](#) is inviting all radio amateurs to take part in a unique survey. The project's

organizers are

hoping to hear from 

hams in the US, Canada, and around the world.

Survey questions deal with operating preferences, gear, your shack, views on regulations, clubs and associations, and the future of amateur radio. Cemil "Jim" Alyanak, K3MRI, the co-administrator of Ham Census and [Ham Community](#), says the aim of the census is to give operators a louder voice to better inform club leaders, associations, manufacturers, and regulators. "We all want the amateur radio community to grow organically and collaboratively, and for that, we need to know what operators are thinking," he said. Divided into six parts, Ham Census runs year-round, delivering constant updates. Taking and using the survey is free, but only those completing all six sections get access to the complete results.

Announcements

- A virtual event, "The Senator was a Ham: Barry Goldwater and Amateur Radio," will take place Wednesday, May 19, 1800 - 1900 Arizona/Pacific Time. [Registration](#) is requested. Arizona State University Professor of History Eric Nystrom will discuss the history of Arizona's most famous radio amateur, US Senator Barry Goldwater, K7UGA. He was a prime mover among volunteers who connected service members stationed in Vietnam with their families via ham radio.
- ["Legacy" records](#) of single-operator scores before the merging of Single Operator and Single Operator Assisted categories for the CQ WPX Contest are now available.
- The 2020 ARRL [160 Meter Contest results](#) reflect more than a half-million contacts across nearly 1,700 logs, despite the fact that conditions were "down."
- The [ARRL November Sweepstakes Phone Results](#) show that entries were up by from 1,600 in 2019 to more than 2,000 logs last fall, and the contact count was up by some 81,000. Prince Edward Island (PEI), a new multiplier in 2020, was rare. The single log submitted by VY2NA had 260 contacts, although at least two PEI stations showed up in other logs.
- **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.

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

Select DX News (QRV = Ready! or Are you Ready?)**ARLD019 DX news**

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

MOROCCO, CN. Special event station CN65FAR is QRV **until May 16** to celebrate the 65th anniversary of the creation of the Royal Moroccan Armed Forces. QSL via RW6HS.

NIGER, 5U. Adrien, F4IHM will be QRV as 5UAIHM from Niamey **until June 15**. Activity will be on 40 and 20 meters using CW. QSL #1

NORTHERN IRELAND, GI. Members of the North West Group ARC are QRV with special event call sign GB0AEL **until May 15** to commemorate Amelia Earhart's 1932 solo flight across the Atlantic. Activity is on the HF bands using CW and SSB. QSL #2

PERU, OA. Special event call sign OC200P is QRV **during May** to celebrate the Bicentennial of the independence of the Republic of Peru. Activity is on 80 to 10M using SSB & FT8. QSL#4

ARGENTINA, LU. Members of the Radio Club QRM Belgrano will be QRV as LU4AAO, LU4AAO/A and LU4AAO/D **from May 18 to 25** to commemorate the anniversary related to the independence of Argentina. Activity will be on the HF and V/UHF bands using CW, SSB, SSTV and FT8. QSL direct to LU4AAO.

AUSTRIA, OE. Special event station OE60VHSC is QRV **until June 7** to commemorate the 60th anniversary of the Very High Speed Club. QSL#2

LITHUANIA, LY. Members of the Lithuanian Radio Sports Federation are QRV with special call sign LY57BC **during May** to participate in the 57th edition of the Baltic Contest. QSL via LoTW.

DENMARK, OZ. Special event station OZ60VHSC is QRV **until June 7** to commemorate the 60th anniversary of the Very High Speed Club. QSL via OZ1JHM.

NETHERLANDS, PA. Special call sign PD21EUROSONG is QRV **until May 22** to celebrate the 65th edition of the Eurovision Song Contest being held in Rotterdam. QSL #3
In addition, special event stations PA60VHSC and PH60VHSC are QRV **until June 7** to commemorate the 60th anniversary of the Very High Speed Club. QSL via PA5V and PA0INA, respectively.

CRETE, SV9. Station DD1GG is QRV as SV9/DD1GG **until May 24**. Activity will be holiday style on 40 to 10M using SSB & FT8 QSL #1

SPAIN, EA. Members of the URE club Cullera and of Les Basores DX group will be QRV as AN5ITU **from May 8 to 23** to celebrate the 76th anniversary of the ITU. Activity is on the HF and V/UHF bands, and Satellite QO-100, using CW, SSB, RTTY & digital modes. QSL to EB5R.

TURKEY, TA. Special event station TC568FA is QRV **until June 28** to commemorate the anniversary of the Fall of Constantinople on May 29, 1453. Activity is on all bands and modes. QSL#3

REPUBLIC OF KOREA, HL. Special call signs HL41GDM and D73M are QRV **until May 31** to commemorate the 41st anniversary of the Gwangju Uprising, also known as the Gwangju Democratization Movement. QSL via HL4CCM.

AUSTRALIA, VK. Special event station VI50SG is QRV **until December 31** to commemorate the 50 years of the St. George ARS. QSL #3.

VENEZUELA, YV. Special event station YW200BC is QRV **during 2021** to commemorate the Battle of Carabobo 200 years ago, which paved the way for Venezuela's independence. Activity is on 80 to 10 meters using CW, SSB and various digital modes. QSL via YV4KW.

MACEDONIA, Z3. Special event station Z360VHSC is QRV **until June 7** to commemorate the 60th anniversary of the Very High Speed Club. QSL #1.

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

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.

Long Term (more than 1 month)

JAPAN, JA. Special event stations 8N1OLP, 8N2OLP, 8N3OLP, 8N4OLP, 8N5OLP, 8N6OLP, 8N7OLP, 8N8OLP, 8N9OLP and 8N0OLP are QRV **until September 5** for the World Olympic and Paralympic Games. QSL #3

FEDERAL REPUBLIC OF GERMANY, DA. Special call sign DL65ESSEN is QRV **until Dec. 31, 2021** to celebrate the 65th anniversary of the DARC's Ortsverband Essen. QSL #3

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.

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

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 165th 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

BELGIUM, ON. Members of the radio club Noord Oost Limburg are QRV with special call sign OR40NOL **until the end of 2021** to celebrate the club's 40th anniversary. QSL via ON6NL.

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

JAPAN, JA. Special event station 8N1MORSE is QRV **until Feb. 28, 2022**, the 230th anniversary of the birth of Samuel F. B. Morse and the 120th anniversary of Guglielmo Marconi's successful transatlantic radio communication by Morse Code. QSL #3

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. 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 RMOL.

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) [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 or 310-544-2917

Asst. Section Manager: Mark Chung, KK6SMD

mchung@prodigy.net

LAX Section Traffic Mngr: Kate Hutton, K6HTN

For Radiogram formatting instructions go to

www.ARRLLAX.org .

RF Safety – Power Density Web site:

http://hintlink.com/power_density.htm

Links: TRW license test

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

International Space Station (ISS) -145.800 MHz.

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>

SCRBA (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]

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
May	5/18		5/20	5/19		5/21			5/26	5/27	5/28		
June		6/1	6/2	6/3	6/4	6/8	6/9		6/10				6/11 6/15
June			6/17	6/16		6/18		6/21	6/23	6/24	6/25		

West Coast Qualifying Runs:

Wed May 26 @ 9 PM PDT (0400 UTC May 27) on 3590 & 7047.5 kHz by K9JM, 10 – 35 WPM
Sat June 19 @ 2 PM PDT (2100 UTC) on 3581.5, 7047.5, 14047.5 & 18097.5 kHz; 10 – 35 WPM

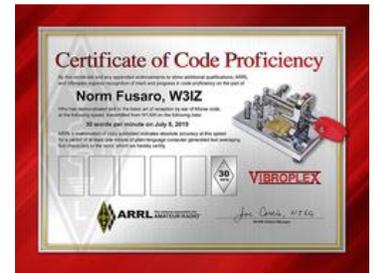
Earn your Code Proficiency certificate by legibly coping at least 1 minute of text by hand and mailing the sheet to: W1AW Qualifying Runs, 225 Main St., Newington, CT 06111. Include \$10 (check or money order) if this is a submission for your initial Code Proficiency certificate; \$7.50 if you are applying 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/
 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:**

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

Committees:

NEWSLETTER EDITOR:	Dale, WB6MMQ	W6HA_Editor at W6HA.com
QUARTERMASTER:	Mike, N6MHD	W6HASTationMgr at W6HA.com
WEB MASTER:	Mike, N6MDV	W6HA at W6HA.com
MEMBERSHIP:	Dale, WB6MMQ	W6HA at W6HA.com
SCRRBA REP:	Ray, WA6NVL	WA6NVL at ARRL.net
MEETING HOST:	Dale, WB6MMQ	W6HA at W6HA
Asst. Host:		W6HA at W6HA
FoTL Conf. Rm. Coor:	Judi, KI6TKT	
FIELD DAY :	Mike, N6MDV, Brian, AB6UI	FieldDay at W6HA.com
MEMBERSHIP:	Dale, WB6MMQ	W6HA at W6HA.com
NET COORDINATOR:	Howard, KE6MAK	W6HA at W6HA.com
YAHOO GROUPS MOD:	Richard KM6FP	W6HA at W6HA.com (http://groups.yahoo.com/w6ha)
CLASS MODERATOR:	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: 1st Tuesday of the month, 7:00 PM

HAC NET: Hughes ARC - 14.233 mHz +/- QRM, 2nd, 4th, 5th 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

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.
