



The Transponder



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

November 11, 2022 Repeater 445.620 – PL 127.3 Website: W6HA.org Vol. XLIX, No. 11

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

Meeting Notice: Where: El Segundo Library, FoTL Conference Room & Zoom
Location: 111 Mariposa St., El Segundo, CA 90245

Zoom Meeting: ID: 817 1297 4188 Passcode: 160795

Date: **THURSDAY, November 17, 2022**
Time: **Pre-Meeting: 11:45 Gather, Exchange Greetings [Setup 11:30]**
 Meeting Call to Order: 12:00 to 1:00 PM

Featured Presentation:

Debrief of the Special Event
Spruce Goose 76th Anniversary – Special Operating Event.

Up Coming Events:

Sat. Dec. 3, 2022 – Ray Miller 50/50 –Race Support – Pt Mugu State Park (Race Start - 6 am)
Saturday, Dec 10 – ARRL 10 Meter Dx Contest. (see page 2)
Saturday, January 28 – Sean O’Brien 50/50 – Race Support – Malibu Creek Campground
2023 – Hughes ARC’s 50th Anniversary Year

Inside:	page
Club News -----	2
ARRL Letter – excerpts of possible interest -----	4
K7RA Solar Update -----	4
Just Ahead in Radio Sport -----	5
ARRL Section, State and Division Conventions / Hamfest ----	5
Select DX News-----	7
Technician Class over a weekend -----	8
Amateur Radio Licensing Exams & LAX Section officers----	-9
Band Plans – VHF/UHF -----	9
W1AW Schedule – Qualifying Runs & SKCC info-----	-10
Club Officers & Info -----	11

Lunch: Pizza: 1 Large Veggie; 1 Lrg Pepperoni; 1 Lrg Special; 1 Lrg Sausage, (\$3.75/slice)
Prices: 2 slices of Pizza w/salad, \$8.50; 1 slice of pizza w/salad \$5.50; Salad only \$4.50
Sodas: Coke, Coke Zero & Ginger Ale (\$1.00) - Water (50 cents) Next Month

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

Wednesday Evenings at 7:30 PM – Trivia Net on Repeater (then Simplex @ 146.550), then C\$FM Digital
Thursdays Noon (12:05 PM) RTX & others Em Comm Teams (ECT) -1st Thursday Formal – others Round Table

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

Club News:

Presidents Corner:

It has been a busy month. The 75th anniversary of the one and only flight of the HK-1 Flying Boat Special event was a BIG success! Perhaps some of you don't know that this September I actually traveled to McMinnville, Oregon specifically to coordinate this event with the folks at the McMinnville ARC.

We met at the Evergreen Air & Space Museum, and I got the VIP treatment. They came up with the idea to have the Spruce Goose "Call Home". This involved having the head docent at the museum "Bob" at the mic on the exact date and time of the historic flight, calling the Hughes ARC in "Long Beach", where the flight actually took place. They came up with the script but first it had to be approved by Evergreen management. We did a couple of rehearsals prior to the "BIG DAY" and then at 1:30 pm on November 2, 2022, we made the contact using AllStar. Apparently, there were several dignitaries in attendance, including Kate Brown Oregon's Governor. The ham in charge in Oregon was K7RMO, Rusty, and he did a great job of getting everything set up. Rusty made an audio recording of the QSO and I turned it into a YouTube video (https://youtu.be/w_19rz5WQYM)

As far as the W6HA special event went the club made over 700 QSOs and the requests for QSL cards are already pouring in. A BIG thanks to those very special club members that took time out of their busy schedule to man the W6HA station during this week long event.

73 DE AB6UI, Brian

Howard's Round the world record

(and answer from last month's Question)

On July 14, 1938, Hughes set a record by completing a flight around the world in just 91 hours (3 days, 19 hours, 17 minutes) in a [Super Electra](#) (NX18973, a twin-engine transport with a crew of four.)

The previous record, Set on July 1, 1931 was 8 days, 15 Hours and 51 Minutes, and was set in 1933 by [Wiley Post](#) in a single-engine [Lockheed Vega](#).

Howard, flying the a [Super Electra](#) beat the previous record by about how much: ???

- a) 40 seconds b) 40 Minutes
c) 40 Hours d) **4 Days (is correct)**

[Answer: above, as promised –ed]

Before Wiley Post, the prior record was held by the Graf Zeppelin, piloted by Hugo Eckener, in 1929, with a time of 21 Days.

Before that, I'm guessing it would have taken Sailing Ships or large Sail boats, Trains and Automobiles and in some places, Horse and Buggy or Prairie Schooners to make the trip, which would no doubt have taken the better part of a year, perhaps more. But in a little more than a decade it went from that to under four days.

[Answer: above, as promised –ed]

Contests/Special Events: Nov/Dec

November Sweepstakes Phone (SSB), November 19-21, 2022.



In this popular annual contest, stations in the US and Canada (including territories and possessions) exchange information with as many other US and Canadian stations as possible. November Sweepstakes is the oldest domestic radiosport event (the first was in 1930). Read the contest rules at <http://arrl.org/sweepstakes>

December - ARRL 10 M Contest, Dec. 10 - 11

In December, on the 2nd full weekend, is the **ARRL 10 Meter Contest**. It starts 0000 UTC Saturday (**Friday the 9th at 4 PM PST**); and runs through Sunday 2359 UTC (3:59 pm PST) (**December 10-11, 2022**).

Objective: For Amateurs worldwide to exchange QSO information with as many stations as possible on the 10 meter band.

Since 10 meters has a phone portion open to Technician Class Licensees, this is a great contest for our club which has many Technician class operators. Also, good result can be obtained with a simple 8 foot, 2 inch (98 inch) vertical antenna and 100 watts ([Plans](#)). I received the award for the LAX Section, a few years back with this setup. Several local contacts are easily made shortly after the start on Friday afternoon/evening, which gets you the CA multiplier. Southern DX contacts tend to occur as the gray line passes over the US, Alaska, Washington, Oregon and South America. During openings the east coast, mid USA, Canada, as well as Hawaii and Japan are all real possibilities. With the sunspots picking up, expect World Wide DX contacts. Using a logging program such as N3FJP makes it a bit more fun as the multipliers are automatically applied. When submitting your log, be sure to indicate your club as: The '[Hughes ARC](#)'.

More info at: <https://www.arrl.org/10-meter>

Also, there is the ARRL Club Gavel competition. For that, at least three (3) club members need to enter the contest. Our president needs a gavel. Wouldn't it be cool if we won the ARRL Gavel contest too.

73 Dale, WB6MMQ

Membership Dues Paid ???

At the end of October, the Club's bylaws indicate that members with dues in arrears are dropped from the list of voting members. The membership roster (hard copy) available at the upcoming November and December meetings will show those members, who are in arrears, and that are dropped from the voting rolls, in light gray. *(If you're on this list, don't feel too bad. At least one board member has not gotten "Round To It.")* Those members WILL continue to receive the meeting notices and 'Transponder' via email unless they, *take action*, and request the editor to remove their names from the mailing list. Finally, if you have paid your dues, but find your name grayed out, please let me or Paul know. We are human and have computers, all the requirements to "really screw up."

Currently dues can be paid in two ways: 1) at the meeting with a check (preferred) or in cash; 2) Via USPS mail, by sending a check made out to "Hughes ARC" along with the Membership Application (attached to email) to the Treasurer, Paul, KK6TAC. *(Please, no cash by mail.)*

Dale, WB6MMQ
Membership, Hughes ARC

Licenses Expiring in a few Months

Steve, KK6AGG – 10/19/22

Barry, KG6NWJ – 1/15/23

Special Event for USAF 75th Birthday

On September 17, members of the Green Valley Amateur Radio Club (GVARC) in Arizona activated a special event station to celebrate the 75th birthday of the US Air Force (USAF). The event was held at the Titan Missile National Historic Landmark operated by the Arizona Aerospace Foundation as the Titan Missile Museum in Sahuarita. The Collins discage antenna, which was used by Titan missile launch crews when the site was on alert, was used by the club to make 152 contacts in 24 states. The antenna would have been used to send and receive messages from the nation-

al military command authorities during alerts and was just one of several communications systems on the site. The antenna is still functioning, with virtually no maintenance performed since 1982, when the site went off alert. A cable runs from the



The Titan Missile Museum's discage antenna.
[Rick Rogers, K7RCR, photo]

base of the antenna to the parking lot, allowing amateur radio operators use of the antenna while the museum is open. The cable was installed by GVARC with the cooperation of the museum.

By Rick Rogers, K7RCR

SPRUCE GOOSE SPECIAL EVENT

We had very successful 75th Anniversary of Flight Special Event for the Good Old Spruce Goose (watch it, I'll wash your moth out with soap, HH would say, "It's the Hughes Flying Boat.") It was one of Howard Hughes favorite projects, built as transport plane for WWII and completed two years after the war was over. There were many innovations such as hydraulics to operate the control surfaces since it took more strength than a man could handle, that Hughes wanted to finish it bad enough to use \$7,000,000 of his own money to do it. The Spruce Goose is so big that you can park two DC-10s under it, one under each wing.

About twelve club members signed up to operate the Special Event and one other club, the McMinnville Amateur Radio Club. Some of their members are docents at the Evergreen Aviation and Space Museum and along with Brian, AB6UI, whose parents live up in Oregon, arranged for the Spruce Goose to "Call Home" as in 'ET Calling Home'. (See the Presidents Corner, Page 2) Our president was a star operator during the scripted event over AllSTAR which took place as close to the time of the actual flight as could be ascertained.

He was also our best operator on the HF bands making over 500 QSO. He was operating a station with a Yagi at altitude and with a 1500 watt PEP linear amp. So, he could be heard! Such facilities are available to more of us than even I would have

guessed before this event, as you can rent a station and operate it from your home (or wherever) needing only a lap-top computer and perhaps a headset as you might have for Zoom teleconference. You do have to be licensed. (See page 8).

So, besides Brian, Michael, WB6DJI – 100+ contacts, Rick, N6IET – 30+ contacts and I know Howard, KE6MAK with Bill, KM6HVK, Suzanne, KN6HVH and Tim, KV6R all made attempts at Howard's QTH.

The start was a little shaky as I sent the Special Event announcement to QST, in haste, in August and then went gallivanting across the globe on a long, Covid delayed, trip. On return my absolutely perfect recall, recalled a different start time. (Lucky I'm not launching space ships. Hi Hi) However, it all got going just fine, with only one email from a Ham indicating that he could not find us in the morning or early afternoon. By the time I read it, were on the air, and I responded to that effect. A few minutes later, he sent another email saying, "found you."

We have an opportunity for another special event next year. The Hughes El Segundo Employees' Association (HESEA) Amateur Radio Club was formed in 1973 by Doug Erny, AK7E (former W6NPD) and licensed as WB6WKF. The first Spruce Goose Special event was conducted under that call, in 1983, when the Bird went on display in Long Beach next to the RMS Queen Mary. So next year is our 50th anniversary. We should make something of it.

ARRL Letter - Excerpts of Possible Interest Reaching Youth Through Amateur Radio in the Classroom

ARRL Education and Learning Manager Steve Goodgame, K5ATA, attended the Georgia Educational Technology Conference, held November 2 - 4, 2022. The conference was the first part in a series of



planned ARRL exhibits to meet with teachers and promote amateur radio in the classroom. Assisted by ARRL Teachers Institute Instructor Wayne Greene, KB4DSF, along with volunteers Cyndi Goodgame, K5CYN, and Betsey Greene, they spoke to hundreds of teachers, school administra-

tors, and technology directors about the ARRL [Teachers Institute on Wireless Technology](#).

ARRL's participation at this conference, as well as future events, is meant to inform and network with educators looking to incorporate amateur radio into their curriculum.

"The level of interest among teachers was incredible!" said Goodgame. "Our booth enjoyed heavy traffic for the duration of the conference, much of the time with all four of us engaged in discussions with multiple people simultaneously. Except for a couple of teachers we met who were already hams, few teachers had heard of amateur radio before this conference. These teachers were absolutely amazed at the possibilities that exist when including amateur radio and related educational experiences in their schools."



"Teachers were especially excited at the connections between amateur radio and space. We shared information about the ARISS program -- [Amateur Radio on the International Space Station](#) -- as well as communicating



via amateur satellites. Enough teachers were interested in learning more about the relationship between amateur radio and satellites communications that we put together an impromptu live demonstration using two handhelds and an Arrow antenna we had for display in the booth. We gathered a crowd of teachers, along with a few students who were presenting their Student Showcase projects and headed outside. We enjoyed a good satellite pass and made contacts through AO-27. One of the students even got on the air!"

"Overall, it was a great conference and a great opportunity for ARRL to network with educators and work with them to help get more youth engaged in amateur radio."

The K7RA Solar Update

Tad Cook, K7RA, of Seattle, Washington, reports for this week's ARRL Propagation Bulletin: Average daily sunspot numbers rose this week from 70.3 to 78.9, yet somehow, the solar flux averages stayed the same as 129.9 and 129.9.

Average daily planetary A index went from 13.7 to 13.4, but the middle latitude numbers changed from 14.3 to 9.6.

Predicted solar flux is 135 on November 10 - 11; 140 on November 12 - 13; 130, 125, 120, and 114 on November 14 - 17; 116 on November 18 - 19; 114 on November 20 - 21; 112 and 114 on November 22 - 23; 116 on November 24 - 26; 118 on November 27 - 28; 120, 122, 125, 124, and 122 on November 29 through December 3; 130 on December 4 - 5; 125 and 120 on December 6 - 7; 115 on December 8 - 9, and 120, 118, and 116 on December 10 - 12.

Predicted planetary A index is 10, 10, and 8 on November 10 - 12; 5 on November 13 - 17; 25, 15, and 8 on November 18 - 20; 5 on November 21 - 22; 8, 16, 26, 15, and 12 on November 23 - 27; 8, 15, 26, 16, and 12 on November 28 through December 2; 8 on December 3 - 4; 12 on December 5 - 8; 8 on December 9, and 5 on December 10 - 14.

Angel Santana, WP3GW, wrote:

"Ten meters is getting so [much] better that today, on November 9 at 1319 UTC, [I] had a contact with 3B9FR on 28.522 MHz up 5. He even answered me in Spanish." 3B9FR was operating from Rodrigues Island in the Indian Ocean, which is more than 9,000 miles from Puerto Rico.

More on Rodrigues: <https://bbc.in/3E15MGS>

Solar flares and radio blackouts: <https://bit.ly/3EkBFzu>
<https://bit.ly/3hkvke8>

Sunspot numbers for November 3 through 9, 2022, were 65, 81, 82, 78, 80, 85, and 81, with a mean of 78.8. The 10.7-centimeter flux was 125.3, 117.7, 131.1, 130.8, 134.6, 132.3, and 137.6, with a mean of 129.9. Estimated planetary A indices were 26, 16, 10, 4, 19, 12, and 7, with a mean of 13.4. Middle latitude A index was 16, 12, 8, 3, 12, 8, and 8, with a mean of 9.6.

Send your tips, questions, or comments to k7ra@arrl.net.

Because ARRL is closed this Friday for Veterans Day, the regular Friday bulletin will not come out until Monday, November 14.



Solar disk image taken November 10, 2022, courtesy of NASA SDO/HMI.

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; P=Party, S=Sprint)

Nov. 12 - 14 -- CQ-WE T (CW, ph, dig)

Nov. 12 -- AWA Bruce Kelley 1929 QSO P (CW)

Nov. 13 -- FIRAC HF T (ph)

Nov. 13 -- Classic Exchange Phone (ph)

Nov. 14 -- 4 Sts QRP Grp 2nd Sunday S (CW, ph)

Nov. 15 -- Worldwide Sideband Activity T (ph)

Nov. 16 -- VHF-UHF FT8 Activity T (FT8)

Nov. 16 -- RSGB 80-M Autumn Series, SSB (ph)

Nov. 19-21 -- ARRL SweepStakes, SSB (ph)

Dec. 10 - 10 ARRL 10 Meter DX T (cw, ph)

See the [ARRL Contest Calendar](#) for more information. For in-depth reporting on Amateur Radio contesting, subscribe to [The ARRL Contest Update](#) via your ARRL member profile email preferences.

All dates & times are UTC.

ARRL Section, State and Division Conventions / Hamfest

In the West or near members anywhere:

Conventions are back strong!!! Nine listed in the ARRL letter this month!!! These six are near members or friends of the club in various places.

- November 12 | [Montgomery ARC Hamfest](#), hosting the ARRL Alabama State Convention, Montgomery, Alabama

- November 12 | [Rock Hill Hamfest](#), hosting the ARRL South Carolina Section Convention, Rock Hill, South Carolina

- December 9 - 10 | [Tampa Bay Hamfest](#), hosting the ARRL West Central Florida Section Convention, Plant City, Florida

January 20 - 21 | [Southwest Florida Regional Hamfest](#), hosting the ARRL Southern Florida Section Convention, Fort Myers, Florida

- January 28 | [Winterfest](#), hosting the ARRL Midwest Division Convention, Collinsville, Illinois

- February 10 - 12 | [Orlando HamCation](#), hosting the ARRL Southeastern Division Convention, Orlando, Florida

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 and includes these upcoming events:

In Brief...

Dayton Hamvention® has announced that the Ramada Inn in Xenia, Ohio, is closing. The Dayton Daily News is reporting that the city of Xenia will take full possession of the Ramada Inn on November 1, 2022. The land will be incorporated into the Xenia Towne Square revitalization project. Hamvention, the largest annual ham radio convention in the US, will be held **May 19 - 21, 2023**, at the Greene County Fairgrounds and Expo Center in Xenia. A list of other accommodations can be found on the Hamvention website at <https://hamvention.org/travel-parking/accommodation/>.

Announcements

The 3rd Annual Youth "Dream Rig" Essay Contest is now under way.

The contest is sponsored by the Intrepid-DX Group, a US-based 501(c)(3) nonprofit organization that promotes amateur radio activities around the world for youth. The contest is open to US and Canadian amateur radio operators aged 19 or younger. The first-place winner will receive a new HF transceiver. Second- and third-place winners will receive a handheld transceiver. To enter, contestants must write a two-page essay answering the question, "How does amateur radio factor into your career plans?" The submission needs to be in plain text, PDF, or a Microsoft Word attachment. Additionally, contestants must promise to use the radios on the air for 1 year and not trade, sell, or "flip" the equipment. The entry **deadline is November 30, 2022**, and winners will be announced on December 15, 2022. More information about the Intrepid-DX Group is available at their website.

- The EZNEC antenna-modelling software by Roy Lewallen W7EL, is now a free download.
- 4A90FMRE is on the air to mark the 90th anniversary of the Federacion Mexicana de Radio Experimentadores. Operation is taking place from all 31 Mexican states plus Mexico City.
- **Special Event:** The London BBC Radio Group has been granted a year-long special event call sign, GB100BBC, to commemorate the centenary of the BBC in 2022. Operations will be carried out by individual members or groups from home stations or BBC premises.

- **Sweepstakes Phone (SSB), November 19-21, 2022.**
In this popular annual contest, stations in the US and Canada (including territories and possessions) exchange information with as many other US and Canadian stations as possible. November Sweepstakes is the oldest domestic radiosport event (the first was in 1930). Read the contest rules at <http://arrl.org/sweepstakes>
- **DX Engineering has announced that it has added Penta Laboratories RF vacuum tubes to its product line.** "In the ham radio community, special RF power vacuum tubes are essential replacements for current model amplifiers. They are also used to revive legacy amplifiers, and some technically savvy operators build vintage-style homebrew equipment and other devices using vacuum tubes," included the DX Engineering announcement. Penta Laboratories describes that it "was founded in 1951, and quickly achieved industry-wide recognition for the development of the beam-power Pentode vacuum tube."



Lunch Kitty Financials:		Sept, 2022	
Attendance: ? (in Room-11) - Zoom-9:			
		Lunch Kitty, Starting Balance:	\$214.75
<u>Expenses:</u>	Pizza (3) - Salad =	\$50.00	
	Soda: 10 @ 0.43 =	\$4.25	
	Water: 1 @ 0.25 =	\$0.25	
		Food Total:	\$54.50 \$160.25
<u>Income:</u>	Lunch: =	\$85.00	\$245.25
Room Rent - To General Fund:		\$0.00	\$245.25
		Starting Kitty for Oct. 20, 2022 Mtg.	\$245.25

Lunch Kitty Financials:		October, 2022	
Attendance: ? (in Room) - Zoom: ?			
		Lunch Kitty, Starting Balance:	\$245.25
<u>Expenses:</u>	Pizza (3) - Salad - Dlvry =	\$90.00	
	Soda: 13 @ 0.44 =	\$5.75	
	Water: 0 @ 0.25 =	\$0.00	
		Food Total:	\$95.75 \$149.50
<u>Income:</u>	Lunch: =	\$112.00	\$261.50
Room Rent - To General Fund:		\$0.00	\$261.50
		Starting Kitty for Nov. 20, 2022 Mtg.	\$261.50

Select DX News (QRV = Ready! or Are you Ready?)**ARLD045 DX news** [Note: 'T' = contest]

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.

ALGERIA, 7X. Special event station 7R68AR is QRV **until Nov. 30** to commemorate the 68th anniversaries of the beginning of Algerian War of Independence and the Algerian Revolution. Activity is on 80 to 10M using CW, SSB & FT8. QSL via M0OXO, or 7R7A via 7X2VFK.

TONGA, A3. Stan, LZ1GC and Ivan, LZ1PM are QRV as A35GC from Tongatapu, IOTA OC-049, **until November 20**. Activity is on 160 to 6M using CW, SSB, RTTY, and FT8 with two stations. QSL via LZ1GC.

BOSNIA AND HERZEGOVINA, E7. Special call sign E730ITU is QRV **until November 14** to mark the 30th anniversary of Bosnia and Herzegovina's membership in the International Telecommunication Union. QSL via LoTW.

LIECHTENSTEIN, HB0. Bodo, DF8DX is QRV as HB0/DF8DX **until November 13**. He will be active as HB0DX during the Worked All Europe DX RTTY contest. QSL via LoTW.

THAILAND, HS. Lars, SM6NT is QRV as HS0ZME from Hua Hin and is here **until April 2, 2023**. Activity is on 40 to 10 meters using mainly CW. QSL to home call.

BELGIUM, ON. Special call sign OT5IDPD is QRV **until December 3** for the International Day of Persons with Disabilities. In 1992 the UN General Assembly designated December 3 as this annual day of observance. QSL via ON6WL.

ARUBA, P4. Jaap, PA7DA will be QRV as P40DA **from November 14 to 27**. Activity will be holiday style on 80 to 10 meters using CW, SSB, FT8, and FT4. QSL to home call.

BRAZIL, PY. Special event station ZW200ESQ is QRV **until November 30** to celebrate the bi-centennial of the Brazilian Navy. Activity is on 80 meters to 70 centimeters using CW, SSB, various digital modes, and on the FM Satellites. QSL via bureau.

BANABA ISLAND, T3. Members of the Rebel DX Group are QRV as T33T **until November 15**. Activity is on 160 to 6 meters using FT8 in DXpedition mode. QSL via LoTW.

PALAU, T8. A group of operators are QRV as T88WA from Northern Babeldaob Island, IOTA OC-009, **until Nov. 14**. Activity is on 160 to 6M using CW, SSB, and FT8. QSL via M0URX.

CENTRAL AFRICAN REPUBLIC, TL. A group of operators will be QRV as TL8AA and TL8ZZ from **Nov. 12 to 26**. Activity will be on 160 to 6M using CW, SSB, RTTY, and with FT8 in DXpedition mode, respectively. QSL direct to I2YSB.

TURKS AND CAICOS, VP5. Mark, WQ7X is QRV as VP5/WQ7X from Providenciales, IOTA NA-002, **until Nov. 15**. Activity is holiday style on 80 to 10 meters using CW and SSB. QSL #1

INDONESIA, YB. Hajar, YB8HZ is QRV as YB8HZ/p from Kapoposang Island, IOTA OC-236, **until November 12**. Activity is on the HF bands. QSL #1 (direct to home call).

UK SOVEREIGN BASE AREAS ON CYPRUS, ZC4. Operators G4WXJ, PA2CHR, and PA3FYC are QRV as ZC4RH from the Base Area of Dhekelia **until Nov.19**. Activity is focused on 2M, and 70 and 23 centimeters, using EME, Tropo, Meteor Scatter, & other modes. QSL via DK6SP.

ST. HELENA, ZD7. Christopher, HB9FIY is QRV as ZD7CA until **November 26**. Activity is in his spare time on 40 to 10 meters using SSB, PSK31, and RTTY. QSL via EA5GL.

JAPAN, JA. Members of the Voice of Toyoake Amateur Radio Club are QRV with special call sign 8N2TY from Toyoake City, Aichi, Honshu Island, IOTA AS-007, **until November 30** to commemorate the 50th anniversary of the Toyoake City. Activity is on 160 meters to 1.2 GHz using various modes. QSL via LoTW

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

SINT MAARTEN, PJ7. Ed, N2HX is QRV as PJ7PL **until Dec. 9**, holiday style on the HF bands using CW, SSB, RTTY & FT8. QSL #1.

QATAR, A7. Special event stations A722FWC, A71FIFA, A72FIFA, A73FIFA, A74FIFA, A75FIFA, A76FIFA, A77FIFA, and A78FIFA are

QRV from various locations in Qatar **until Dec. 18 during the FIFA** Football World Championship. QSL via operators' instructions.

Long Term (more than 1 month)

GUINEA BISSAU, J5. Carlos, CT2GQA is QRV as J5JUA and is active **until Dec 31, 2022**. Activity is mostly using FT8, and as a mobile station. He may also use J5GQA. QSL #1

CUBA, CO. Lefty, CO2QU will be active **until December 31** on 30 meters (FT8/FT4) and 6 meters (FT8). QSL via CO2QU direct or LoTW.

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

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

COSTA RICA, TI. Special event station TI1GOAL is QRV **until December 2022** to draw attention to the Costa Rican football team participating in the FIFA World Championship. Activity is on the HF bands using SSB & FT8. QSL direct.

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

SWEDEN, SM. Members of the Skoevde ARC are QRV with special call SK50EI **during 2022** to celebrate the club's 50th anniversary. QSL #3.

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

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

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

MAYOTTE, FH. Marek, F4VVJ will be active as FH4VVK from **Aug. 20, 2022 to April 1, 2024**. Operations will be on various HF bands and modes. QSL direct (see QRZ.com) or eQSL.

Until 2024

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

Technician license in a weekend - Zoom!
Class is Free – Test is ~ \$15.00

This is a very quick and easy way to get your Ham Ticket. And best of all the class is free! There is a nominal cost for the exam, basically tp cover administrative and postage expenses. A friend of mine in the Oregon club is offering this class and everyone is welcome!
73 de AB6UI Brian @ Hughes ARC

Cost: Free, Materials: Free, Exam: Nominal Fee (~\$15) covers admin expenses & postage

When: November 25-26, 2022,

- Friday, 8 a.m. - 4 p.m. PDT and
- Saturday, Noon - 4 p.m. PDT
- Exam – Tentative: possible online Saturday afternoon

Where: Online via Zoom

Registration: Please send name and phone number via email to

- Scott, N7JI, at ARS.N7JI@Gmail.com.
- Questions, please email me.

73 & TNX! Scott N7JI

P.S. Worried about a radio and antenna. Now you can rent time on Ham stations over the Internet. All you need is a Computer and a head set with a boom microphone, as for Zoom. – ed]

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) [Activated, as of Feb. 26]

ARRL Announces Free Exam Review Website

The ARRL has launched a web site that allows users to take randomly generated practice exams using questions from the actual examination question pool. [ARRL Exam Review for Ham Radio™](http://www.arrl.org/ExamReview) 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.ARRLAX.org .

RF Safety – Power Density Web site:

http://hintlink.com/power_density.htm

ARRL [RF exposure calculator](#)

Links: [TRW license test](#)

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

International Space Station (ISS)

Monitor -**145.800** mHz.

PodCast – Amateur Radio News

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

YouTube: [Call Sign History](#)

On-Line Stores / suppliers:

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

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

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

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

<http://www.dxengineering.com>

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

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

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

ARRL <http://arrl.org>

CQ Mag <http://store.cq-amateur-radio.com/product-category/books/>

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

HARC Past & Current Presidents

1973 Doug Erny, AK7E (former W6NPD)

1974 Orson Just, K6JGV, sk

1975, 76 Tom Rothwell, K6ZT, sk

1977 Tom McInnis, WB6ZEB, sk

1978,79 Sam Weise, W6LXR

1980 Bob Poole, AJ6F, sk

1981 Russ Sanford, WA6NQO, sk

1982, 83 Chuck, KN6H

1984 John Bennett, WD6BAI

1985 Scott Fraser, KN6F

1986, 87 Ed, K6GQV

1988 John, WA6LOD

1989, 90 John, KJ6AW

1992 Bruce, WB6ARE

1993 Rick, KD6DYN

1994

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

2000,1,2 Bruce, W6BLS

2004,5,6 Ed, N6EG

2007 - 2014 Barry, KG6NWJ

2015, 16, 17 – Dale Birmingham, WB6MMQ

2018-19 Mike, N6MDV (Past President)

2020, 21 – Brian, AB6UI (President)

How To: **Wires-X** can be found at K7REA.com

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



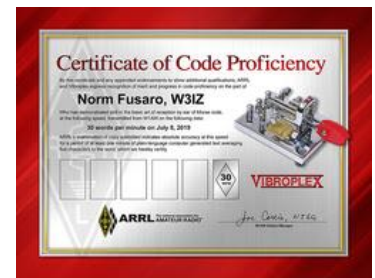
Frequencies (MHz)

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]

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
Nov.	11/15		11/17			11/18		11/21	11/22				
Dec.		12/5	12/6	12/8	12/9		12/12			12/14			12/15
Dec.	12/15	12/19		12/16	12/20			12/21			12/27	12/26	12/28

West Coast Qualifying Runs:

Wed Nov 16 @ 9 PM PST (0500 UTC ON Nov. 17) on 3590 & 7047.5 kHz by K9JM 10 – 35 WPM
 Sat. Dec 17 @ 2 PM PST (2200 UTC) on 3581.5, 7047.5, 14047.5, 18097.5 & 21067.5 kHz by K6KPH 10 – 40 wpm

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

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

K1USN Radio Club Announces Weekly Slow-Speed CW Contest

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

The Straight Key Century Club (SKCC): http://www.skccgroup.com/member_services/beginners_corner/
 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:**

PRESIDENT:	Brian, AB6UI	AB6UI at AOL.com
VICE PRESIDENT:	Howard, KE6MAK	Karse1 at DSLextreme.com
SECRETARY:	Dale, WB6MMQ	WB6MMQ at ARRL.net
TREASURER:	Paul, KK6TAC	PAGeisel at Verizon.net
STATION MANAGER:	Michael, N6MHD	N6MHD at ARRL.net
Available PAST PRES.:	Dale, WB6MMQ	WB6MMQ at ARRL.net

Committees:

NEWSLETTER EDITOR:	Dale, WB6MMQ	WB6MMQ at ARRL.net
QUARTERMASTER:	Michael, N6MHD	N6MHD at ARRL.net
WEB MASTER:	Richard, KM6FP	RunFarr at Gmail.com
YAHOO GROUPS:	Richard, KM6FP	RunFarr at Gmail.com (http://groups.yahoo.com/w6ha)
MEMBERSHIP:	Dale, WB6MMQ	WB6MMQ at ARRL.net
SCRRBA REP:	Ray, WA6NVL	WA6NVL at ARRL.net
MEETING HOST:	Dale, WB6MMQ	WB6MMQ at ARRL.net
CLASS Coordinator:		
FIELD DAY Coordintrs :	Brian, Dale, Howard	See above
NET COORDINATOR:	Howard, KE6MAK	Karse1 at DSLextreme.com
RACE COORDINATOR:	Dale, WB6MMQ	WB6MMQ at ARRL.net
ANT. TRAILER Coor:	Brian, AB6UI	AB6UI at AOL.com
RAYTHEON Coor:	Ken, KI6YDN	KSIMP1022 at AOL.com

CLUB REPEATER: **W6HA** 445.620 MHz (-) PL 127.3 Hz Location: Bldg. R1 roof
Packet (node :hughes) 145.61s W6HA; **Wires-X** Room: 40909; Node: 30909

HARC Repeater Nets: Wednesdays, 7:30 PM (0330 UTC Thursdays)

Thursdays, 12:05PM (2005 UTC) RTN ECT – All are welcome

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

LAFD CERT Net: 1st 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) **But after covid-19 restriction are removed.**

Club Newsletter: If you have items that would be of interest to the club, any comments, letters, or items for sale or trade, 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 ;.net and .com will also get you there.

Copyright ©2022 - Permission is granted to any non-profit amateur radio publication to reprint any portions if both the author & Hughes Amateur Radio Club are credited.

The Hughes Amateur Radio Club is a California Nonprofit, Public Benefit, 501(c)(3) Corporation and 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.

This program is not sponsored by the El Segundo Public Library