



The Transponder



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

September 17, 2021 Repeater 445.620 – PL 127.3 Website: <http://W6HA.com> Vol. XLVIII, No. 9

***** 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: September 21, 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:
HF Wire Antennas
by George, NG7A

Up Coming Events:
Manhattan Beach - 10K Race - October 2, 2021 (See article below)
Jamboree On-the-air (JOTA) - October 16 & 17

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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 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:**Manhattan Beach - 10K Race - October 2, 2021**

Hello All, Our trip to France was cancelled. So I am here, available to coordinate Hams for the Manhattan Beach 10K race to be run on October 2, 2021.

I know that the last two years have been tough on all of us, and we are all two years older, and possibly feeling much older than that.

(See below for Contact information)

First Question: Will you participate this year?

I am looking for about 20 hams. Yes, the race is on and we already have some positions filled. Net Control this year will be Howard, KE6MAK and the EOC will be manned by Paul, N6PEC.

Returning to his 'Last Runner' position will be George, N6RVC. Net Control will be at its usual location at Steve's, KE6AIH and Mickey's, KE6GLH house, which is at a high point.

Second Question: If you are going to participate do you want to meet at the Kettle for breakfast? If not, how would you like to get your T-Shirt and Vest?

Details:

Operators to be on Location by 7:00 AM;

Course blocked off at 7:15;

The race Starts at 7:30.

The race typically takes 2 hours for the slowest walkers but many of you on the course will be able to leave before that once the Last Runner passes your location.

If we do meet at the Kettle you should be there by 6:00AM to order and eat breakfast. If you are only going to pick up a T-Shirt and vest be there no later than 6:45AM.

Question? Email or call

John, N6JLS

310-545-4019 (h) (Calls Screened, PLEASE leave a message) or 310-753-4764 (c)

jrkeller@ix.netcom.com

Jamboree-on-the-Air (JOTA) is an annual Scouting event that uses amateur radio to link Scouts across town, across the country, or even around the world! Held on the third full weekend of October each year, this worldwide jamboree requires no travel, other than to a nearby radio amateur radio station. Many times the "hams" will set up at a special event station. The "exchanges"

or QSOs (aka conversations) include such information as name, location (called QTH in ham speak), Scout rank, age, and hobbies. A participant patch is available, as is a certificate/log sheet that can also be used to fulfill a Radio merit badge requirement. Last year, the World Scout Bureau reported, JOTA had nearly 700,000 Scout participants from more than 13,500 amateur radio stations!

Contests / Special Events : Sept. / Oct.**Texas QSO Party** CW, Phone, Digital

Saturday September 18: 8 AM to 8 PM PDT

Sunday September 19: 8 AM to 2 PM PDT

Exchange: RS(T),Tx County or SPC. The purpose of the Texas QSO Party is to provide a competitive opportunity for Amateur Radio Operators anywhere in the world to contact as many Texas stations in as many different Texas counties as possible. There are no fees or entry forms. Just get on the air and have a good time! [Rules](#)

CQ Worldwide RTTY DX Contest

Sept 25 – 26, 3.5 to 28 mHz. Held

each year on the last full weekend of

September, the contest draws over 15,000

participants and over 3,600 log submittals from

around the world. Exchange: RST, CQ Zone

(+state/prov for US/VE) [Rules](#)

**California QSO Party, Oct 2 - 3**

The California QSO Party (CQP) is held every year on the first weekend of October. The first CQP took place in 1966. Since 1974, the Northern California Contest Club ([NCCC](#)) has sponsored CQP. Stations outside of California, worldwide, work stations in California only. The 58 counties of CA are the [multipliers](#). California stations work all stations in or out of CA. The 50 US states and 8 Canadian areas are the multipliers. Stations outside of Canada and the US add to one's QSO total but do not count as multipliers. See the full set of [CQP Rules](#) for more details.

HARC Dues were Due July 1st.

Believe it or not another year, Plus two Months, have gone by. The club's year runs from July 1st to June 30th. So, therefore, dues are due. Regular dues are \$20. Retired members pay \$15.

Normally, the treasurer, Paul, KK6TAC, will accept dues at the club meeting, but these days, put

them in an envelope and mail them in. Paul's address is on the lower right of the attached application. Checks are preferred, (made to Hughes ARC) but cash will be accepted, but definitely use a check if submitting by mail. New members that joined after January 1st are paid through June of 2022.

73, Dale, WB6MMQ, Membership

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	
	<u>Food Total:</u>	\$105.50	\$ 45.25
Income:	Lunch:	\$108.75	\$154.00
	Recycling: 7/17/21	30.00	\$184.00
<u>Room Rent-To General Funds:</u>		\$00.00	\$184.00
	Starting - Kitty for Mar 17, 2020 Mtg:	\$184.00	
<u>[Gain of \$30.25 - \$20.00 for room rent = Gain of 10.25]</u>			

ARRL Letter - Excerpts of Possible Interest

CQ World Wide DX Contests to Include Youth Overlay Sept 25 – 26

Effective this fall, the CQ World Wide DX Contests (CQ WW) will offer a new Youth overlay, available to all competitors who are 25 years old or younger, as of the dates of the events. The Cabrillo overlay format will be **CATEGORY-OVERLAY: YOUTH**. To support this change, Youth overlay entries will be highlighted in the results, as is now done in the



case of Classic and Rookie entries. Plaques will be available for winners in this category.

CQ WW has also established a new [Explorer](#) category to allow amateurs to participate in the CQ WW Contest while experimenting creatively with internet-linked stations and other developing technologies. The goal is to encourage innovation in operating strategies, station design, and technology adaptation.

CQ WW Contest Director John Dorr, K1AR, reminds participants that audio recordings may be requested for your entry as part of the log-checking process. Any single operator entrant competing for a top five finish at the world, continent, or US

levels -- including Classic Overlay -- must record the transmitted and received audio, as heard by the operator for the duration of the contest operation. Failing to respond to this request may result in your log being reclassified or disqualified.

"The combination of embracing new technology as well as recognizing the youth community among us is going to make CQ WW an even more popular event," Dorr said. "My thanks go out to the CQ WW Contest Committee and others who helped make this happen."

ARRL Now Provides Free RF Exposure Calculator



The FCC has adopted guidelines and procedures for evaluating environmental effects of RF emissions. The new guidelines incorporate two tiers of exposure limits based on whether exposure occurs in an occupational or "controlled" situation, or whether the general population is exposed or exposure is in an "uncontrolled" situation.

Under the new FCC rules, some amateurs need to perform routine station evaluations to ensure that their stations comply with the RF exposure rules. This can be as simple as running an online calculator to determine the minimum safe distance between any part of your antenna and areas where people might be exposed to RF energy from your station. Although amateurs can make measurements of their stations, evaluations can also be done by calculation.

To make this easy for amateurs, ARRL now provides an [RF exposure calculator](#) on its RF Exposure page. To use the calculator, enter your transmit peak-envelope power (PEP) and operating mode, and answer the questions about the maximum amount of time you might be transmitting. The calculator will give you the minimum distance people must be from your antenna and human exposure.

You can print the results and keep them in your station records. There is no requirement to send your results to the FCC.

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

ARRL Awards Colvin Grant to Latest Bouvet Island DXpedition

ARRL has awarded a Colvin Grant of \$5,000 to Amateur Radio DXpeditions (ARD), the Norwegian nonprofit organization that is sponsoring the [3Y0J DXpedition](#) to Bouvet Island in fall 2022. Co-leaders for the effort are Ken Opskar, LA7GIA; Rune Øye, LA7THA, and Erwann Merrien, LB1QI. A Colvin Grant in the same amount was returned after the Intrepid-DX Group had to drop its plans for an early-2023 Bouvet DXpedition that would have used the same call sign. The multinational team plans to activate Bouvet in November 2022. A dependency of Norway, Bouvet is a sub-Antarctic island in the South Atlantic and the second-most-wanted DXCC entity, behind North Korea. The last Bouvet activation was 3Y0E, during a scientific expedition over the winter of 2007 - 2008.



Amateur radio DXpeditions would field a team of 12 operators for a 20-day stay on Bouvet, setting up at Cape Fie in the southeastern part of the island, which the DXpedition organizers called "the only feasible part to safely set up camp on rocky ground." The DXpedition has set a goal of 120,000 contacts during its stay.

The Colvin Award is funded by an endowment established by the legendary DX couple Lloyd Colvin, W6KG, and Iris Colvin, W6QL, both now deceased. The Colvin Award is intended to support amateur radio projects that promote international goodwill in the field of DX. Grantees must be groups with a favorable DX track record and with experience directly related to the proposed enterprise. The proposed project must have as a goal a significant achievement in the field of DX. Preference is given to multinational groups, all of whom are members of their own national IARU member-societies.

In August, the Northern California DX Foundation ([NCDXF](#)) donated \$100,000 to the 3Y0J DXpedition, set for late 2022. The NCDXF is now the DXpedition's lead sponsor.

"We wish to recognize and thank the NCDXF as the lead sponsor for our 3Y0J DXpedition to

Bouvet," the 3Y0J team said. "Without the support of the NCDXF, operations to the world's rarest entities would be difficult."

On September 11, the 3Y0J DXpedition announced a donation of €10,000 (approximately \$11,815) from the German DX Foundation ([GXDF](#)).

The 3Y0J team said that with its overall budget of \$650,000, this DXpedition to Bouvet will be the most expensive ever.

Visit the [3Y0J DXpedition](#) website or [Facebook page](#) for more information or to donate.

VoIP Weather Net Handles Reports for Hurricane Larry

Amateur radio volunteers on the Voice over Internet Protocol Weather Network ([VoIPWX](#)), joined linked systems in Newfoundland, Canada, to collect ground-truth weather data for relay to the National Hurricane Center (NHC) and Environment Canada, as Hurricane Larry hammered the Canadian province on September 11. The Category 1 storm, with maximum sustained winds of 85 MPH, was predicted to bring hurricane-force winds, dangerous storm surge, heavy seas, and heavy rainfall. Scores of reports, including damage to schools and homes, power outages, and evacuations, were sent by a squad of hams that included Aaron Abbott, VO1IV, and Gareth Rowberry, VE3GJR. More than 40 personnel hours of operation by Canadian and US radio amateurs were involved in providing the reports received on both systems. Rob Macedo, KD1CY, Director of Operations for the VoIP Hurricane Net, said, "Through the exemplary efforts of VO1IV...and a number of amateur radio operators across Newfoundland and one amateur operator in Ontario who relayed a report from a non-amateur radio CANWARN Spotter [a volunteer organization of ham radio operators reporting severe weather to Environment Canada] in St. John's, Newfoundland, reports of damage to trees, power lines, power outages (including roof damage to a school and a home) were relayed from amateurs in the region."



The Hurricane Watch Net ([HWN](#)) activated on September 10 on 20 and 40 meters.

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Sunspot numbers started strong at 124 on this reporting week, September 9 - 15, but ended at 0. Average daily sunspot numbers went from 64.6 to 58.3. Average daily solar flux declined from 92.9 to 87.4.



Geomagnetic indicators remained moderate, with last week's average daily planetary A index unchanged at 7, and average daily middle latitude A index changed from 7.7 to 6.9.

Predicted solar flux is much lower than last week's report. Solar flux is predicted at 75 on September 16 - 23; 76 on September 24 - 26; 78, 80, and 82 on September 27 - 29; 86 on September 30 - October 10; 82 on October 11 - 12; 80 on October 13; 78 on October 14 - 17, and 76 on October 18 - 23. Solar flux is expected to rise to 89 by the end of October.

Predicted planetary A index is 5 on September 16; 15 on September 17 - 18; 8 on September 19 - 20; 5 and 8 on September 21 - 22; 5 on September 23 - October 3; 8 and 12 on October 4 - 5; 5 on October 6 - 17; 8 on October 18, and 5 on October 19 through the end of the month.

Marty, KB0QZ, in Tulsa called CQ on 28.040 at noon on September 12 on an apparently dead band. LU4HK came back, and they exchanged 599 reports both ways over the 5,094-mile path. He continued to tune the band and call CQ through the afternoon with nothing else heard.

There's a [great solar image](#) in this local California newspaper (page down).

Sunspot numbers for September 9 - 15 were 124, 99, 93, 47, 32, 13, and 0, with a mean of 58.3. The 10.7-centimeter flux was 99.7, 96.3, 91.8, 87.7, 83.3, 78.1, and 75.2, with a mean of 87.4. Estimated planetary A indices were 6, 9, 7, 6, 9, 6, and 6, with a mean of 7. Middle latitude A index was 7, 9, 8, 6, 7, 5, and 6, with a mean of 6.9.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the

ARRL Technical Information Service, [read](#) "What the Numbers Mean..." and [check out](#) the Propagation Page of Carl Luetzelschwab, K9LA

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

[Share](#) your reports and observations

Just Ahead in Radiosports

(T=Contest; P=Party)

- Sept. 16 -- NAQCC CW Sprint
- Sept. 16 -- BCC QSO Party (CW, ph, dig)
- Sept. 17 -- AGB NEMIGA Contest (CW, ph, dig)
- Sept. 18 -- QRP Afield (CW, ph, dig)
- Sept. 18 -- Wisconsin Parks on the Air (CW, ph)
- Sept. 18 -- Feld Hell Sprint
- Sept. 18 -19 -- All Collegiate QSO Party (CW, ph, dig)
- Sept. 18 - 19 -- SARL VHF/UHF Dig Contest
- Sept. 18 - 10 -- [ARRL 10 GHz and Up Contest](#) (CW, ph, dig)
- Sept. 18 - 19 -- Scandinavian Activity T (CW)
- Sept. 18 - 19 -- Iowa QSO Party (CW, ph, dig)
- Sept. 18 - 19 -- Texas QSO Party (CW, ph, dig)
- Sept. 18 - 19 -- New Jersey QSO P (CW, ph, dig)
- Sept. 18-9- New Hampshire QSO Party (CW, ph, dig)
- Sept. 18 - 19 -- Washington State Salmon Run (CW, ph, dig)
- Sept. 19 -- [North American Sprint, RTTY](#)
- Sept. 19 -- BARTG Sprint PSK63 Contest
- Sept. 19 - 20 -- Run for the Bacon QRP T (CW)
- Sept. 20 -- 144 MHz Fall Sprint (CW, ph, dig)
- Sept. 22 -- SKCC Sprint (CW)
- Sept. 23 -- RSGB 80-Meter Autumn Series (dig)
- Sept. 25, 6 – CQ WW RTTY DX T (RTTY)**
- Oct. 2, 3 – [California QSO Party \(CW, ph\)](#)**
- Oct. 8, 10 – [Nevada QSO Party \(CW, ph\)](#)**

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.

“Over many decades I have accumulated an almost incomprehensible sum by simply doing what I love to do. Society has a use for my money; I don't.”

... Warren Buffett

Amateur Radio in the News

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

- [FREE WECA Tech \(entry level\) Ham Radio License Class!](#) / *The Patch*, White Plains, New York, September 15
- [Pittsburgh amateur radio group celebrates 80 years of providing emergency communications during disasters](#) / *Pittsburgh Post-Gazette* (Pennsylvania) August 9, 2021
- [Local Amateur Radio Club works with Estes Park Schools](#) / *Estes Park Trail Estate* (Colorado) August 9, 2021

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

ARRL Section, State and Division Conventions / Hamfest

in the West or near members everywhere:

October 8 - 9 -- [ARRL Florida State Convention](#) (Melbourne Hamfest), Melbourne, Florida

October 8 - 9 -- [ARRL Louisiana State Convention](#) (Slidell EOC Hamfest), Slidell, Louisiana

October 15 - 17 -- [ARRL Pacific Division Convention](#) (Pacificon), San Ramon, California

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

In Brief...

RTTY Service Station K6KPH, operating from the Maritime Radio Historical Society (MRHS), is officially back on the air. K6KPH also transmits W1AW Qualifying Run texts and the W1AW Field Day Bulletin. The station was off the air due to COVID-19 restrictions and antenna damage. Repairs to the transmitter site in Bolinas, California, were performed under a US National Park Service grant and support from the MRHS. Years of damage from decaying poles, failing crossarms, and falling trees necessitated the repairs, MRHS said. The next West Coast

Qualifying Run to be transmitted from K6KPH is scheduled for Saturday, September 25, 2021, at 2100 UTC on 3581.5, 7047.5, 14047.5, 18097.5, and 21067.5 kHz.

Radio station WBZ in Boston (1030 kHz) is celebrating its 100th anniversary in 2021.

It is the oldest broadcast station in New England and one of the oldest stations in the US. The Billerica Amateur Radio Society and the Hampden County Radio Association will commemorate the anniversary with a special event, starting on September 17 at 1300 UTC and wrapping up on September 20 at 0359 UTC. Look for W1W, W1B, W1Z, and WB1Z on all bands, SSB, AM, CW, and digital modes. New England operators interested in operating one of the special event stations should [contact](#) Larry Krainson, W1AST.

**Announcements**

- On September 6, Paul Ewing, N6PSE, [announced](#) that Nigel Jolly, K6NRJ, has sold the SV *Braveheart* to a new owner who will make her available for amateur radio DXpeditions. The *Braveheart's* new home port will be Ushuaia, Argentina, the "gateway to Antarctica." The vessel is now in New Zealand.
- **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.

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

ARLD037 DX news

This week's bulletin was made possible with information provided by IK2DUW, 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.

LITHUANIA, LY785. Valerijus, LY2QT will be active as LY785QT **during the month of September** to celebrate 785th anniversary of the City of Siaulai. Activity will be on various HF bands and modes. QSL via LY2QT.

CONWAY REEF, 3D2. Dom, 3D2USU is QRV as 3D2CR and active **until the end of Sept.** Look for activity on 160 to 6 meters using FT8. QSL via operator's instructions.

TANZANIA, 5H. Gab, HA3JB is QRV as 5H1IP from Zanzibar Island, IOTA AF-032, **until Sept. 29**. Activity is on 160 to 6 meters using CW, SSB, RTTY, and FT8. This includes being an entry in the upcoming CQ World Wide DX RTTY contest. QSL direct to home call.

TONGA, A3. Masa, JA0RQV is QRV as A35JP from Tongatapu Island, IOTA OC-049, **until October 31**. Activity is on 80 to 6 meters using CW, SSB, and FT8. QSL to home call.

UNITED ARAB EMIRATES, A6. Members of the Emirates Amateur Radio Society are QRV with special call sign A60EXPO **until October 1** during the Special Event Expo 2020 being held in Dubai. QSL via EA7FTR.

BAHRAIN, A9. Members of the Bahrain Amateur Radio Society are QRV as A91ARS **until Sept. 23** celebrating Saudi National Day. QSL via EC6DX.

COMOROS, D6. Janusz, SP9FIH and Leszek, SP6CIK will be QRV as D60AC and D60AD, respectively, **from September 18 to October 2**. Activity will be on the HF bands using CW, SSB, RTTY, and FT8. QSL to home calls.

SPAIN, EA. Special event station AM500EMV will be QRV **from Sept. 18 to 25** to celebrate the 500th anniversary of the first circumnavigation of the Earth and memorialize Juan Sebastian

Elcano's taking on the command of the carrack Victoria. QSL via EA7URF.

JAN MAYEN, JX. Operators LA7GIA, RA9USU, DL5EBE, LB1QI and EA3HSO are QRV as JX0X from Kvalrossbukta, IOTA EU-022, **until Oct. 5** on all HF bands using all modes and with four stations active. QSL direct to UA3DX.

GUINEA, 3X. Jean-Philippe, F1TMY, expects to be QRV as 3X2021 from Conakry beginning in **mid-September, and here for a few years**. He plans to be active on 160 to 6 meters, and Satellite QO-100. He also plans side trips to the Los Islands, IOTA AF-051. QSL via Club Log.

NIGER, 5U. Adrian, F4IHM will be QRV as 5UAIHM from Niamey from **September 11 to October 22**. Activity will be on 40 and 20 meters using CW and SSB. QSL to home call.

LITHUANIA, LY. Special event calls LY785A, LY785QT and LY785SUN are QRV **until Sept. 30** to celebrate the founding 785 years ago of the town of Siaulai. QSL LY785SUN via LoTW, LY785QT via LY2QT, and LY785A via LY5A.

RWANDA, 9X. Harald, DF2WO will be QRV as 9X2AW from Kigali **from September 13 to 28**. Activity will be on the HF bands using CW, SSB, RTTY, and FT8. QSL via M0OXO.

FAROE ISLANDS, OY. Stian, LB5SH is QRV as OY/LB5SH from Torshavn **until Sept. 20**. Activity is on 160 to 6M using CW, SSB, and FT8. This includes being an entry in the Scandinavian Activity CW contest. QSL to home call.

SEYCHELLES, S7. Fred, DH5FS is QRV as S79/DH5FS from La Digue and Praslin Islands, IOTA AF-024. Activity is in his spare time on the HF bands using CW and FT8. [listed **Sept. '21** – ed] QSL to home call.

POLAND, SP. Special event station 3Z20UR is QRV **until October 15** to celebrate 20 years of the University of Rzeszow. QSL via SP8POP.

CRETE, SV9. Flavio, IW2NEF will be QRV as SV9/IW2NEF - **Sept. 19 to 24**. Activity will be on 40 to 10M using SSB and FT8. QSL via IK2DUW.

ANTIGUA AND BARBUDA, V2. Bud, AA3B & Brian, N3OC are QRV as V26K & V26OC, respectively, **until Sept. 20**. Activity is holiday style on HF bands, all modes. QSL both calls vis LoTW.

MINAMI TORISHIMNA, JD1. Take, JG8NQJ expects to be QRV as JG8NQJ/JD1 at the weather station there beginning in **mid-September, '21**. **He will be there for about three months** and active in his spare time. QSL direct to JA8CJY.

UK SOVEREIGN BASE AREAS ON CYPRUS, ZC4. Garry, 2M1DHG is QRV as ZC4GR **until December 31**. Activity is on the HF bands using SSB and various digital modes. QSL via EB7DX.

THAILAND, HS. Special event station HS18I-ARU is QRV **until September 30** to celebrate the 18th IARU Region 3 Conference in Bangkok. QSL via E21EIC.

EUROPEAN RUSSIA, UA. Special event station R875TULA is QRV until the **end of September** to celebrate the 875th anniversary of the city of Tula. QSL via RA3P.

NIGER, 5U. Adrien, F4IHM will be QRV as 5UAIHM from **September 11 to October 22**. Look for him on 40 and 20 meter CW. QSL via F4IHM, direct or via the Bureau.

SENEGAL, 6W. Dani, EA4ATI is QRV with his temporary call sign 6W1/EA4ATI and here until **September 30, 2021**. He is active on 80 to 10 meters using mainly SSB. QSL via EA4R.

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 10M on SSB. QSL to CT1FJZ.

SAN ANDREAS ISLAND, HK0. Pedro, HK3JJH is using call HK0/HK3X. length of stay unknown. [**listed Aug. 2021 – ed**] Activity is mainly on 20M using FT8 (F/H). QSL via JH1AJT.

KYRGYZSTAN, EX. Andrea, HB9DUR is active as EX0DX from Bishkek. The length of his stay is unknown. [**listed Aug. 2021 – ed**] Activity will be

as time permits on various HF bands. QSL via his home call sign, LoTW, ClubLog's OQRS or eQSL.

THE GAMBIA, C5. Operators Luc, F5RAV, Gerard, F5NVF and Abdel, M0NPT will be active as C5C from **October 24 to November 19**. Activity will be on various HF bands using CW, SSB, digital modes and the QO-100 satellite. QSL via F5RAV.

COLOMBIA, HK. Lothar, DK8LRF be QRV as HK3JCL **until end of May 2022**. Activity will be mainly on 20 meter SSB. QSL via his home call sign via the Bureau.

Long Term (more than 1 month)

RWANDA, 9X. Members of the Holy Land DX Group (HDXG) will sign 9X4X **from November 24 to December 1**. Operators include Mark, 4Z4KX, Hilik, 4X6YA, Ruben, 4Z5FI, Ruslan, 4Z5LA, Hanan, 4Z1DZ, Slava, 4Z5MU and Jan, 4X1VF. They will run three stations on 160 to 10 M using CW, SSB, RTTY and FT8, and maybe satellites. They will also participate in the CQWW DX CW Contest. QSL via Ruben, 4Z5FI.

DODECANESE, SV5. Mort, G2JL is QRV as SV5/G2JL from Lipsi Island **for the next three months**. [**listed Aug. 2021 – ed**] Activity will be on all bands and modes, Propagation permitting. Operations have been on 20M CW. QSL via G2JL, direct or via the Bureau.

TURKS AND CAICOS ISLANDS, VP5. Mario, I2HBW is QRV as VP5MA **until the end of October**. QSL via Club Log.

TONGA, A3. Masa, JA0RQV is QRV as A35JP from Tongatapu Island, IOTA OC-049, **until October 30, 2021**. Activity is on 80 to 6 meters using CW, SSB and FT8. He also plans to visit other islands in IOTA groups OC-191, OC-123, OC-064 and OC-169 during this time. QSL #1

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.

ARUBA, P4. John, W2GD will be QRV as P40W from **October 18 to 31**. Activity will be on the various HF bands, with some focus on the 30, 17 and 12 & 160 meters using mostly CW. Activity

will also include an entry in the upcoming CQWW DX SSB Contest as a Single Op/All Band entry. QSL via LoTW or N2MM. No bureau cards.

PANAMA, HP. Special event stations 3F200AT and 3F200NG are QRV **until November 30** to celebrate Panama's Bicentennial anniversary of Independence. QSL via LoTW.

TAIWAN, BX30. Ken, JP1RIW will be active as BX30ARL from New Taipei City **until Dec 31, 2021** to celebrate the 30th anniversary of the Chinese Taipei Amateur Radio League. Activity will be on 40 to 6 meters. Ken operates mainly on the digital modes on weekends. QSL via BM2JCC.

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. Spcl event stn 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

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.

AUSTRALIA, VK. Special event station VI50SG is QRV **until December 31, '21** to commemorate the 50 years of the St. George ARS. QSL #3.

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

PERU, OA. Members of the Asociacion de Radioaficionados del Peru are QRV with special calls OC4B, OC6B, and OC7B **until December 31, 2021** to celebrate the bicentennial of Peruvian independence. Activity is on 40, 20, 17 and 15 meters using SSB and FT8. QSL via LoTW.

FEDERAL REPUBLIC OF GERMANY, DA. Special call sign DL65ESSEN is QRV **until Dec. 31, '21** to

celebrate the 65th anniversary of the DARC's Ortsverband Essen. QSL #3

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**, on 80 to 10M using CW & 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

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.

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.

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
Sept.	9/21		9/23	9/22		9/24		9/27	9/29		9/30		
Oct.		10/4	10/5	10/7	10/8	10/12	10/13		10/14			10/15	10/19
Oct.	10/19			10/20		10/22	10/21	10/25	10/27	10/28	10/29		

West Coast Qualifying Runs:

Sat. Sept 25 @ 2 PM PDT (2100 UTC) by K6KPH on 3581.5, 7047.5, 14047.5 & 18097.5 kHz – 10-35 WPM
 Wed. Oct 27 @ 6 PM HST (0400 UTC) by KH6TU on 7047.5 & 14047.5 kHz – 10 to 40 WPM

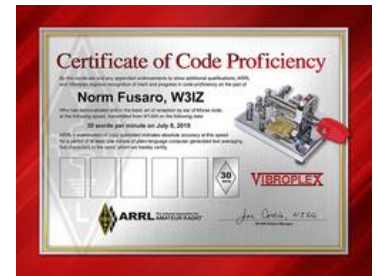
Earn your Code Proficiency certificate by legibly copying at least 1 minute of text by hand and mailing the sheet to: W1AW Qualifying Runs, 225 Main St., Newington, CT 06111. Include \$10 (check or money order) if this is a submission for your initial Code Proficiency certificate; \$7.50 if you are applying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



2021 – 2022 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:	Richard, KM6FP	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.com
FoTL Conf. Rm. Coor:	Judi, KI6TKT	
FIELD DAY :	Individual Ops	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.
