



The Transponder



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

March 12, 2021 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVIII, No. 3

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

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

Meeting Notice: **Date:** Tuesday, February 16, 2021
Time: **Pre-Meeting:** 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: Field Day 2021

What we know - How we prepare

A working/planning session to get ready for FD2021.

Up Coming Events:

March, 20 & 27 (all day) **Technician Class** (See article on page xx)
June 26, 27 – Field Day 2021

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
For Sale – Free – 60 ft. Tower, Rotor & Antennas -----	6
Select DX News-----	7
Amateur Radio Licensing Exams & LAX Section officers-----	9
Band Plans – VHF/UHF -----	9
WIAW Schedule – Qualifying Runs & SKCC info-----	10
Club Officers & Info -----	11

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)

Other nets: See last page

Club News:

In person meetings again?

Many of us have been vaccinated. Restaurants will be allowed indoor dining at 25% of room capacity starting this week. Perhaps let club leaders know how you feel about in-person meetings. At least one member has offered that perhaps an in-person meeting in the library park near the gazebo would be OK. Of course, we're completely dependent on when the library says they will take a reservation for the conference room for an inside meeting. Should that occur, how many would actually attend such a meeting? And in June FD in a Park? -ed

Next Year Officers Election

It is that time of year to be thinking about candidates for our club officers' election. Candidates will have an opportunity to describe why they would be a good choice in the April Transponder. The election will be at the May meeting.

I think it is good to change the leadership fairly often to invigorate the club's activities. If you have a thought about what you would like the club to be doing in the future and you have a thought for whom might be a candidate for office, please let me know. Maybe you have an interest in helping the club as a club officer yourself. We have formed a nominating committee that will establish a slate of officers by March. You as a club member can have a choice about the direction of our club. Options are good.

Mike, N6MDV email: N6MDV@arrl.net

Contests for March - April

March 27, 8 CQ WW WPX Contest, SSB, 5 pm

to 4:59 (0000 – 2359 UTC) The WPX Contest is based on an award offered by CQ Magazine for working all prefixes. Held on the last weekend of March (SSB) and May (CW), the contest draws thousands of entries from around the world.

Exchange: RS, Serial number, [Rules](#)

April 5, 144 MHz Spring Sprint, 12 noon to 4 PM (1900 – 2300 UTC), CW, Ph, Dig. Contest

Purpose: Encourage weak signal VHF/UHF amateur radio operation & have fun. Exchange: 4-char grid square, [Rules](#)

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

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

Wednesday Net Report

Hello Everyone,

2/3/21		2/17/21		3/3/21		Operator	Name
RPTR	SMPX	RPTR	SMPX	RPTR	SMPX		
X	X					K6BRN	BRIAN
X	X					KN6CCW	ORLANDO
						KN4DDQ	DILLON
						KN6HVH	SUZANNE
						KM6HVK	BILL
		NCS		X	X	N6IET	RICK
						N6JZT	HAL
		X				KN6KJI	Kevin
		X				KN6KNJ	Jeff
X	X	X	X	X	X	K6LDQ	JON
		X				N6MDV	MIKE
X	X					KK6MFL	ALICE
X	X	X	X	X	X	N6MHD	MIKE
X	X			NCS		WB6MMQ	DALE
						KN6NQJ	Tom
				X	X	KM6PFI	JON
X	X			X	X	K6PNJ	PHIL
						KV6R	TIM
X	X	X				KM6RWQ	KEVIN
X						WA6SET	TOM
X	X			X	X	KK6TDU	SCOTT
						KM6TGO	Sam
		X				KN6TWT	Tom
X	X	X	X	X	X	AB6UI	BRIAN
						KK6WYW	BOB
X	X	X	X	X	X	KE6MAK	HOWARD

Thanks to all who checked in last month, including a new Ham, Tom KN6NQJ and a few newcomers KN6TWT Tom and KN6KIJ Kevin and KN6KJN Jeff.

73, Howard KE6MAK, Vice President

I'm reading a book about anti-gravity. I can't put it down.

Winter & Spring Tech Licensing Classes

Technician License Classes

We have had such great demand for the February Ham class, with over 50 registered, that we opened a second class. It will be held on March 20 and 27. We already have 12 people registered. There is great demand for getting a Ham license and it is good that our club is able to provide training opportunities. The class will be online via Zoom. If you know someone who would like to get their license, have them send an email to w6haclass@w6ha.com and mention the March class.

Mike, N6MDV

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	
	<u>[Gain of \$3.25 - \$20.00 for room rent = Loss of 16.75]</u>		

From the Signals Newsletter

Timing is Everything

These days, time accuracy is taken for granted. Computers and phones show time measured in picoseconds. The frequency standards of our radios are now measured in parts per billion. But it was not always like that. In fact at the time of the American Revolution, most clocks did not have second hands!

The accurate timepiece came about in a reaction to a tragic accident where a fleet of British ships miscalculated their Longitude and shipwrecked, resulting in a huge loss of life. As a result of the tragedy, parliament enacted the Longitude Act of 1713, which offered a prize to a timepiece that could maintain accuracy to within a few seconds for over a month.

Why? Well latitude could easily be measured by taking sextant measurements of the stars and our sun. Longitude on the other hand is a bit more tricky, since the Earth continually spins.

It was reasoned that with an accurate time piece and the ability to determine local noon, the difference between the time over Greenwich and local noon would be the longitude.

Since it takes the Earth 24 hours to spin a full 360 degrees, then each hour represents 15 degrees of Longitude. When the 15 degrees is divided up into minutes, each minute of arc corresponds to 1 Nautical mile, which is 6080 feet (1853.2 meters). So if a clock

could maintain second accuracies, then the Longitude could be calculated to within a mile or less.

How is it practically calculated? In the northern hemisphere, if True North is known and a stick is used to cast the sun's shadow, local noon occurs when the sun's shadow passes through true north. A timepiece set to the time in Greenwich England, where the Prime (0) Meridian is, will indicate the Longitude read at local noon.

Generations later, Robert Dippy and Steve Bloom, inventor of Stereo, were experimenting on landing airplanes in the fog by measuring the time difference of arrival from radio stations on the left and right sides of the runway.. During their investigation, they noticed that equidistant differences of arrival formed hyperbolas and maintained better accuracies than triangulation techniques.

This led to the G system, which preceded LORAN. Hyperbolic navigation is the backbone of today's GPS. From: Collins Amateur Radio Club – Editor/Author: George Cooley NG7A

ARRL Letter - Excerpts of Possible Interest

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

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](#).

Plans Proceeding for Fall 2021 Willis Island DXpedition

The team from the Hellenic Amateur Radio Association of Australia ([HARAOA](#)) that's planning a November 3 - 13 DXpedition to Willis Island (VK9HR) has expanded by one, and the DXpedition planning is on schedule. A vessel to take the team to Willis Island has been chartered to leave Australia on November 3, returning on November 13. Willis ranks #38 on Club Log's [DXCC Most Wanted List](#). The group announced earlier that it had put off plans to include a stint from Mellish Reef, last activated in 2017. The ham radio team will be just in time to celebrate the centennial of the island's meteorological facility.



"With time away from jobs a consideration for the operators, Mellish is being put off to 2022," said team leader John Chalkiarakis, VK3YP.

While the call sign VK9HR is expected to be renewed in August, Chalkiarakis is trying to get VK9W. "VK9IR will be an additional call sign to be allocated," he said. VK9IR and VK9HR were used for HARAOA's 2011 DXpedition to Lord Howe Island.

Team members for this fall's DXpedition will hail from Australia and New Zealand. They're in the process of obtaining a permit from Parks Australia, which is "required to 'camp' at these Australian Coral Sea marine parks." Chalkiarakis said the most important document is the landing permit, also from Parks Australia. No permit is required to

visit these coral sea islands for non-commercial purposes, but a permit application is needed to set up a campsite and to stay overnight on the island.

The now eight-operator team plans to use verticals on 160, 80, 40, and 30 meters, while VDAs (vertical dipole arrays) will be used on 20, 17, 15, 12, and 10 meters. Operation on 6 meters is under consideration.



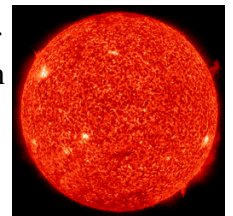
Activity is expected on SSB, CW, and FT8 on 160 through 10 meters. The equipment complement is expected to be Kenwood TS-590S and Icom IC-7300 transceivers with amplifiers on all.

A DXpedition website and logo are in the works. Home to a meteorological station, Willis Island is in the Coral Sea, off the northeast coast of Australia.

Chalkiarakis also said that he and some friends have been trying to obtain a landing permit for Macquarie Island (VK0M), which is #12 on Club Log's DXCC Most Wanted List, but he conceded that it's nearly impossible to get permission from the Tasmania Parks and Wildlife Service because Macquarie is a protected nature reserve. -- *Thanks to [The Daily DX](#)*

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Although solar activity remains low lately, as a sunspot rotates to the west off the visible solar disc, a new one will emerge in the east. Sunspot group 2807 will soon move over the sun's western horizon, but on March 9 new sunspot group 2808 moved over the eastern horizon.



Average daily sunspot numbers this week hardly changed, from 18.9 to 18.4. Average daily solar flux shifted from 76.7 to 78.9.

Solar wind has slackened, so average daily planetary A index went from 14.7 to 7.6, and the middle latitude numbers changed from 10.4 to 6.1.

Predicted solar flux for the next 30 days is 79 on March 11 - 13; 78 on March 14 - 18; 76, 75, 76, 78,

and 81 on March 19 - 23; 80 on March 24 - 25; 78 and 76 on March 26 - 27; 75 on March 28 - April 1; 78 on April 2 - 3, and 70, 74, 76, 72, 71, and 72 on April 4 - 9. After April 18, solar flux may rise again above 80.

Predicted planetary A index is 5 on March 11 - 12; 10, 20, and 10 on March 13 - 15; 5 on March 16 - 18; 20 on March 19 - 20; 18, 12, and 8 on March 21 - 23; 5 on March 24 - 27; 25, 20, 20, and 10 on March 28 - 31; 5, 15, and 8 on April 1 - 3; 5 on April 4 - 7, and 18 and 12 on April 8 - 9. An active region may rotate into a geo-effective position on April 15 - 16 and another around April 24 - 25.

[Aurora season has returned in Colorado.](#)

Sunspot numbers for March 4 - 10, 2021 were 32, 14, 23, 14, 12, 23, and 11, with a mean of 18.9. The 10.7-centimeter flux was 81.4, 73.2, 77, 77.5, 79.9, 83.7, and 79.4, with a mean of 76.7. Estimated planetary A indices were 11, 5, 16, 10, 6, 3, and 2, with a mean of 14.7. Middle latitude A index was 11, 5, 11, 7, 5, 2, and 2, a mean of 10.4.

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)

Mar 13 - YB DX RTTY Contest
 Mar 13-14 SARL VHF/UHF Analogue T (CW, ph)
 Mar 13 - 14 - RSGB Commonwealth Contest (CW)
 Mar 13 - 14 - F9AA Cup, SSB
 Mar 14 - 14 - South America 10-M T (CW, ph)
 Mar 13 - 14 - SKCC Weekend Sprintathon (CW)
 Mar 13 - 14 - AGCW QRP Contest (CW)
 Mar 13 - 14 - Oklahoma QSO Party (CW, ph)
 Mar 13 - 14 - Stew Perry Topband Challenge (CW)
 Mar 13 - 14 -- EA PSK63 Contest
 Mar 13 - 14 -- Tesla Memorial HF CW Contest
 Mar 13 - 14 -- QCWA QSO Party (CW, ph)
 Mar 13 - 14 -- Idaho QSO Party (CW, ph)

Mar 13 - 14 -- North American Sprint, RTTY

Mar 14 - 17 -- Classic Exchange, Phone
 Mar 14 - 15 -- Wisconsin QSO Party (CW, ph, dig)
 Mar 15 - 4 States QRP 2nd Sunday Sprint (CW, ph)
 Mar 15 -- Bucharest Digital Contest
 Mar 15 -- RSGB FT4 Contest Series
 Mar 16 - 21 -- CLARA Chatter Party (CW, ph)
 Mar 18 -- NAQCC CW Sprint
 Mar 18 -- BCC QSO Party (CW, ph, dig)
 Mar 27 -- **CQ WW WPX Contest (SSB)**
 Apr 2 -- **K1USN Slow Speed Test (CW)**
 Apr 5 -- 144 MHz Spring Sprint

Apr 18 - ARRL Rookie Roundup, SSB

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

All dates & times are UTC.

ARRL Section, State and Division Conventions / Hamfest

in the West or near members everywhere:

Note: Many conventions and hamfests have been canceled or postponed due to the coronavirus pandemic. Check the [calendar of canceled events on the ARRL website](#).

Mar 13 - 14 -- [QSO Today Virtual Ham Expo](#)

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

In Brief...

A scientific paper has linked Jupiter with solar cycles. The [paper](#), published in *Solar Physics*, predicts that the Solar Cycle 25 maximum will take place in 2026 and reach an amplitude similar to that of Solar Cycle 24. "This article deals with the prediction of the upcoming solar activity cycle, Solar Cycle 25. We propose that astronomical ephemeris, specifically taken from the catalogs of aphelia of the four Jovian planets, could be drivers of variations in solar activity, represented by the series of sunspot numbers (SSN) from 1749 to 2020," the abstract reads. "We conclude with a prediction of Solar Cycle 25 that can be compared to a dozen predictions by other authors: The maximum would occur in 2026.2 (± 1 year) and reach an amplitude of 97.6 (± 7.8), similar to that of Solar Cycle 24."



Spring Red Cross Emergency Communications Drill Set The



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

Chattanooga-Area Hams Seek Community


During Pandemic The *Chattanooga Times Free Press* [reports](#) that in the wake of the deaths of two radio amateurs, the Lone Ranger Wellness Net was established to check on members each evening. The system of nightly radio checks gives affected hams a way to signal if they need help. The net meets every evening at 7 PM local, 7 days a week. Jim Gifford, KM4MPF, a 44-year-old Chattanooga businessman, said the Lone Ranger Net was established after one elderly radio operator died of natural causes and another died at his home due to an accident. In both cases, their deaths were not immediately known to friends and family members, he told the newspaper. "Now, if someone in the Lone Ranger Net fails to check in on any given night, they get a text, a phone call, or even a knock on the door to make sure all is okay," Gifford said.

There are ponderisms and euphemisms
 And there are catechisms and baptisms
 Also there are the schisms and the prisms
 But I hate those criticisms and ostracisms
 By Tony, the poet engineer

Battry Bounce Test

<https://www.princeton.edu/news/2015/03/30/battery-bounce-test-often-bounces-target>

Announcements

- **Results of the 2020 California QSO Party** are now [available](#). Many new records were set and 57 plaques awarded. Visit the [CQP website](#) for details and to download certificates. 
- **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 (this weekend), 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.
- **ARRL Life Member Bob Leo, W7LR**, of Bozeman, Montana, turned 100 years old on February 26. He has been a radio amateur for 88 years and is well known as a DXer and DXpeditioner. He has detailed his biography and ham radio exploits on his QRZ.com [profile](#).
- **International Space Station (ISS)** - Radio amateurs and others may listen for ham radio activity from the ISS by monitoring [145.800 MHz](#).

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

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

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

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

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

Select DX News (QRV = Ready! or Are you Ready?)
ARLD010 DX news

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

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. [listed March 2021 – ed] QST#1

BOTSWANA, A2. Operators Vasily, R7AL, Leo, UI8J, Vlad, R9LR and Mike, RU3UR will be QRV as A25RU from Gaborone from **March 15 to 26**. Activity will be on 160 to 10 meters, using CW, SSB, and FT8 in DXpedition mode, with four stations active. This also includes activity on Satellite QO-100. QSL via ClubLog.

GUADELOUPE, FG. Philippe, F1DUZ will be QRV as FG4KH from **March 16 to April 1**. This includes being an entry in the upcoming CQ World Wide WPX SSB contest. QSL #1

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

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

LITHUANIA, LY. Special event stations LY31A and LY11LY are QRV **until March 31** to celebrate the 31st anniversary of the Act of the Re-Establishment of the State of Lithuania. QSL#2

AUSTRIA, OE. Members of the VIC Amateur Radio Contest DX Club are QRV as C7A **during March**. QSL via UA3DX.

FINLAND, OH. Members of the SSAB Raahe ARC are QRV as special event station OF60RR

from Pattijoki **until March 1, 2022** to celebrate the 60th anniversary of the start of the construction of the steel mill Rautaruukki in May 1961. QSL direct to OH8DR.

ST. MAARTEN, PJ7. Tom, AA9A is QRV as PJ7AA **until March 27**. Activity is on 80 to 10 meters using CW, SSB and FT8. QSL via LoTW.

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

ASCENSION ISLAND, ZD8. Tev, TA1HZ is QRV as ZD8HZ **until mid-April**. He plans to be active in the ARRL International SSB DX contest and the upcoming CQ World Wide WPX SSB contest. QSL #1

ASIATIC RUSSIA, UA0. Look for RI0Q to be QRV from Bol'shoy Begichev Island, IOTA AS-152, beginning possibly **March 17**. The start date may depend on weather conditions. QSL#8

EUROPEAN RUSSIA, UA. Special event station R125PR is QRV during March to celebrate Alexander S. Popov's first wireless transmission 125 years ago. QSL via R1AU

COCOS (KEELING) ISLANDS, VK9C. Look for VK9CE to be QRV **March 16 to 23**. Activity will be holiday style on 80 to 10 meters using CW, SSB and FT8. They may also be active on 6 meters depending on conditions. QSL via EB7DX.

VIET NAM, 3W. Sebastian, SP5FAR is QRV as 3W9FAR from Da Nang **until March 21**. Activity is in his spare time on the HF bands using SSB and various digital modes. QSL to home call.

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

DENMARK, OZ. Special event station OV0JUTLANDIA is QRV until the **end of March 2021** to commemorate the humanitarian

mission of the Danish hospital ship Jutlandia during the Korean War. Activity is on the HF bands using CW, SSB and various digital modes. QSL via LoTW.

PITCAIRN ISLAND, VP6. Meralda, VP6MW has been QRV on 20M using SSB from around 1530 to 1630z. **[listed in Feb – ed]** QSL via W0VTT.

SCOTLAND, GM. Gareth, M0MOL is QRV as MM0MOL/p from the main island of Shetland, IOTA EU-012, **until the end of March**. Activity is on the HF bands using QRP power, after work, and mainly during his evenings. QSL to home call.

JAPAN, JA. Special event call 8N1IZA is QRV **until March 31** to celebrate the 50th anniversary of Niiza City.

JAPAN, JA. Members of the Yoneyama HF Club (JR0YHF) will be operating special event station 8J0K in celebration of the 80th anniversary of Kashiwazaki city in Niigata Japan, **until Mar. 31, 2021**, on 1.8 MHz through 5.7 GHz.

SOUTH SUDAN, Z8. James, Z81C is QRV from Juba while working for a non-governmental organization. **[until March 2021-ed]** Activity is mostly on SSB. QSL #2

Long Term (more than 1 month)

ZAMBIA, 9J. Brian, 9J2BO is usually active on 40 meters using CW from 0330 to 0500z. **[listed Jan.'21-ed]** QSL via EA5GL.

ANDORRA, C3. Joan, C31US is usually QRV on 40 meters using CW between 0700 and 0800z. **[listed Jan.'21-ed]** QSL to home call

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

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

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

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

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

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

SERBIA, YT. Members of the Serbian CW Club are QRV with special event station YT165TESLA during **all of 2021** to commemorate the 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.

Until 2022

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

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

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

Until 2025

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

Notes:

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

AMATEUR RADIO LICENSING EXAMS:

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

(www.W6TRW.com) [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/>

PodCast – Amateur Radio News

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

On-Line Stores / suppliers:

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

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

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

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

<http://www.dxengineering.com>

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

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

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

ARRL <http://arrl.org>

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

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

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

HARC Past & Current Presidents

1973 Doug Erny, AK7E (former W6NPD)

1974 Orson Just, K6JGV, sk

1975, 76 Tom Rothwell, K6ZT, sk

1977 Tom McInnis, WB6ZEB, sk

1978,79 Sam Weise, W6LXR

1980 Bob Poole, AJ6F, sk

1981 Russ Sanford, WA6NQO, sk

1982, 83 Chuck, KN6H

1984 John Bennett, WD6BAI

1985 Scott Fraser, KN6F

1986, 87 Ed, K6GQV

1988 John, WA6LOD

1989, 90 John, KJ6AW

1992 Bruce, WB6ARE

1993 Rick, KD6DYN

1994

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

2000,1,2 Bruce, W6BLS

2004,5,6 Ed, N6EG

2007 - 2014 Barry, KG6NWJ

2015, 16, 17 – Dale Birmingham, WB6MMQ

2018-19 Mike, N6MDV (Past President)

2020 – Brian, AB6UI (President)

Southern California Band Plans:

Tasma – 2 Meters

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

220 MHz Spectrum Mngmnt Assoc. of So. Ca

220SMA BAND PLAN

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

SCRRBA (Southern California Repeater and Remote Base Assoc.) – 440 mHz (70 cm) and up

<http://www.scrba.org/BandPlans/BandPlans.htm>

W1AW Operating Schedule (Edited - Note: Local time stays the same, UTC varies w/DST)

Morning Schedule:

Winter	Summer	Local	Mode	Days
1400 UTC	1300 UTC	(6 AM PDT)	CWs	Wed, Fri
1400 "	1300 UTC	(6 AM PDT)	CWf	Tue, Thu

Afternoon/Evening Schedule:

2100 UTC	2000 UTC	(1 PM PDT)	CWf	Mon, Wed, Fri
2100 "	2000 "	"	CWs	Tue, Thu
2200 "	2100 "	(2 PM PDT)	CWb	Daily, CW Bulletin, 18 WPM
2300 "	2200 "	(3 PM PDT)	DIGITAL	Daily, Digital Bulletin
0000 "	2300 "	(4 PM PDT)	CWs	Mon, Wed, Fri
0000 "	2300 "	"	CWf	Tue, Thu
0100 "	0000 "	(5 PM PDT)	CWb	Daily, CW Bulletin, 18 WPM
0200 "	0100 "	(6 PM PDT)	DIGITAL	Daily, Digital Bulletin
0245 "	0145 "	(6:45 PM PDT)	VOICE	Daily, Voice Bulletin
0300 "	0200 "	(7 PM PDT)	CWf	Mon, Wed, Fri
0300 "	0200 "	"	CWs	Tue, Thu
0400 "	0300 "	(8 PM PDT)	CWb	Daily, CW Bulletin, 18 WPM



	Frequencies (MHz)									
CW:	1.8025	3.5815	7.0475	14.0475	18.0975	21.0675	28.0675	50.350	147.555	
DIGITAL:	-	3.5975	7.095	14.095	18.1025	21.095	28.095	50.350	147.555	
VOICE:	1.855	3.990	7.290	14.290	18.160	21.390	28.590	50.350	147.555	

Notes:

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

CW frequencies include code practices, Qualifying Runs and CW bulletins.
 DIGITAL = BAUDOT (45.45 baud) BPSK31 and MFSK16 in a revolving Schedule.
 Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and alternate speeds.

W1AW Qualifying Runs: [for more info: www.arrl.org/qualifying-run-schedule]

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
Mar.	3/16		3/18	3/17		3/19		3/22	3/24	3/25	3/26		
Apr.		4/5	4/6	4/8	4/9	4/13	4/14		4/15			4/16	
Apr.	4/20		4/22	4/21		4/23		4/26	4/28	4/29			

West Coast Qualifying Runs:

Sat. Mar. 27 @ 2 PM PDT (2100 UTC) on 3581.5, 7047.5, 14047.5 & 18097.5, speed 10 – 35 WPM
Wed Apr. 28 @ 9 PM PDT (0400 UTC Apr. 29) on 7047.5 & 14047.5 kHz by KH6TU, 10 – 40 WPM

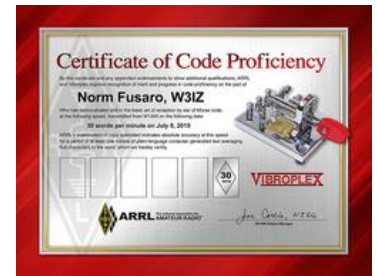
Earn your Code Proficiency certificate by legibly copying at least 1 minute of text by hand and mailing the sheet to: W1AW Qualifying Runs, 225 Main St., Newington, CT 06111. Include \$10 (check or money order) if this is a submission for your initial Code Proficiency certificate; \$7.50 if you are applying 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](#). The inaugural session will be on **Sunday, September 13, 2020 4 to 5 PM PST (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

RAYTHEON Coorndator:

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://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.
