



The Transponder



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

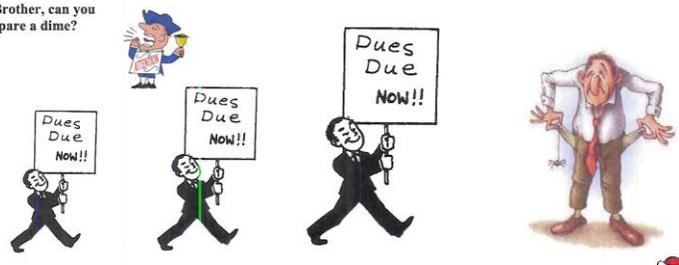
July 17, 2020 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVII, No.7

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

Where: The club Repeater, also on EchoLink (N6MDV-R) and Zoom (e-mail for PW)
Location: Repeater location – “High Above LAX”

Meeting Notice: Date: Tuesday, July 21, 2020, meeting 12 to 1 PM
Time: Zoom attendees may gather as early as 11:30
Roll Call, 11:45, (by suffix, list is based on prior attendance)

Brother, can you spare a dime?



Featured Presentation:

Field Day Results

Up Coming Events:

Sunday, July 28 – [ARRL Field Day](#) - Last day to submit Field Day Scores

Wednesday, July 1st Dues are Due for the 2020 – 2021 club year

(Membership form attached) (New members: If you joined after 1/1/20 you're paid until June 30,2021)

Inside:	page
Club News -----	2
ARRL Letter – excerpts of possible interest -----	4
K7RA Solar Update -----	5
Just Ahead in Radio Sport -----	5
For Sale – Free – 60 ft. Tower, Rotor & Antennas -----	5
ARRL Section, State and Division Conventions / Hamfest-----	6
Select DX News-----	6
Amateur Radio Licensing Exams & LAX Section officers-----	9
WIAW Schedule – Qualifying Runs & SKCC info-----	10
Club Officers & Info -----	11

Lunch: You are on your own, but my recommendation: Order some pizza, delivery, 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: Thursdays at 7:30 PM So Bay ARC Net

First Monday of the month (7:00 PM) – LAFD CERT

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

Club News:

Presidents Corner

The BIG event of the ham radio year is over and we will be talking about our Field Day experiences at this months club meeting. Hopefully everyone got their scores submitted but if not we will briefly go over how to do it.

International Lighthouse Lightship Weekend will take place this year over the August 22-23 and entries appear to have been largely unaffected by the current COVID-19 pandemic.

The ARRL VHF contest is the second full weekend of September. Begins 1800 UTC Saturday and runs through 0259 UTC Monday (**September 12-14, 2020**)

Jamboree-on-the-Air, or JOTA, is the largest Scouting event in the world. It is held annually the third full weekend in October. So this year it is Oct 16-18.

Of course you can always check out the ARRL contest-calendar <http://www.arrl.org/contest-calendar>. So even though FD 2021 is still a year away there is plenty for ham radio operators to look forward to..

73 de AB6UI Brian

As of July 1st, HARC Dues are Due

It's probably NOT hard to believe another year has past. It seems like two or three to me, in this Covid-19 year. The club's year runs from July 1st to June 30th, so therefore **dues are due**. Regular dues (for those employed) are \$20, but if you are retired (or otherwise not working) they are \$15. Also, if needed, (because of a new call, loss or breakage) a new badge is \$5 to defray that cost. In this Covid-19 environment, please submit a check to the membership chairman, Dale, WB6MMQ (address on form) or Paul, KK6TAC. New Members, Please note: If you joined this year (after 1/1/2020) your dues are paid through June 30, **2021**.

The application asks for two items (among others) that we like to have updated on a yearly basis:
1) Photo permission; 2) Your ARRL membership status.

1. Our web master, Mike, N6MDV, requires that we have your photo permission (Or Not) for a recognizable photo of you to appear on our web site. Even so, any identification is limited to your first name and call.

2. Our membership chairman, Dale, WB6MMQ, needs to report the percentage of ARRL members in the club to maintain our affiliation with the ARRL. (The requirement is 50%) It's also nice to know any special status, such as volunteer examiner (VE) or Life Member that you may have. For a NEW ARRL membership, a \$10 discount is available via the club.
73, Dale, WB6MMQ, Membership Chair

Club Nets Report

Hello Everyone,

We had some great conversation/information in this past week's net and I am really enjoying seeing more member to member traffic happening! Also, some ideas that can be used for future Club activities and perhaps future meeting topics.

Our next HARC Net will be Wednesday 22 July, 2020 at 7:30 pm local time.

Report for Week of 15 July, 2020 follows.

RPTR	SPX	Operator	Name
X		AB6UI	BRIAN
X	X	WB6MMQ	DALE
X	X	N6MDV	MIKE
X	X	K6PNJ	PHIL
X	X	N6MHD	MIKE
X		KM6PFI	JON
X		KM6RWQ	KEVIN
X		WA6SET	TOM
X	X	N6IET	RICK
X		K6LDQ	JON
X	X	KV6R	TIM
X	X	KN6ISU	VANCE
X	X	KE6MAK	HOWARD
		13 OPERATORS	

Weekly Net Statistics 5 week period

date	repeater	simplex
17-Jun	15	9
24-Jun	19	9
1-Jul	13	5
8-Jul	16	9
15-Jul	13	8
total	76	40
Ave.	15.2	8.0
% Splx/Rptr CkIn:		52.6%

So, what does the data 'say'? We have some weekly variance in participation – NORMAL for any club or any hobby.

Our participation in the Simplex facet of the HARC Net is good when we consider that the Net Control Station does not have the same antenna advantage as the repeater (gain and altitude) and many are checking in via HT. Also, we do have participants who do relay simplex check-ins whenever possible. For those of you who may be shy to try to check in to the simplex net – Give it a try! If the Net Control does not hear you, another club member might; we ALWAYS accept a check in via relay. After all, Message Relay is part of the heart of Amateur Radio.

What the statistics do not show however, are the following:

Variance of operators participating and indeed there is flux.

Value of the discussions held that goes beyond the value of just stating one's call sign and getting a participation trophy.

Our Net has been used to assist in coordination of Field Day events/keeping members up to date on things in supplement to the FD meetings on Zoom

We have indeed handled some simple 'administrative' questions from members, re meetings, activities, repeater usage etc.

The simplex portion of the net has helped participants explore the bounds of their equipment. Indeed we have a few participants whom have been able to improve their system for more reliable communications.

73 KE6MAK, Howard, Net Coor.

ARRL Letter – Excerpts of possible interest

Field Day 2020 is Shaping Up to be One for the Record Books

ARRL Contest Program Manager Paul Bourque, N1SFE, reported this week that ARRL has received more than 8,700 online Field Day entries, and paper-only entries have started arriving too.



"As many participants chose to operate from home this year, and given the 2020 rules waivers, we

have seen a tremendous increase in entries over last year's event," Bourque said. "Most of the entries received have been through the online [web app](#), and Headquarters staffers have begun processing the paper entries this week." The 2020 waivers allowed individual club members to attribute their scores to their clubs.

Participants who submitted entries online are encouraged to check the Field Day [entries received](#) page to verify that their entries are marked as complete, and that the club name entered is correct. Entries with a status of "pending" are incomplete entries that are missing one or more items, and these need to be completed [**No later than July 28 – ed**] for an official entry.

Share your stories and photos using the ARRL [soapbox](#) page or via social media, such as on the ARRL [Field Day Facebook group](#).

Maritime Mobile Service Network Comes to the Aid of Vessel in Distress

The Maritime Mobile Service Net ([MMSN](#)) on 14.300 MHz came to the assistance of a sailing vessel in distress on June 25. MMSN control operator Steven Carpenter, K9UA, took a call on 20 meters from Ian Cummings, KB4SG, the skipper of the *Mystic Lady*, then some 40 miles east of Florida. Cummings reported that his engine had failed as he was attempting to return to his home port of Stuart, Florida. He not only had insufficient wind, but a strong current was carrying the vessel out to sea.



Cummings had been unable to reach any station via his VHF marine radio, because he was too far from the coast. Assisting in the call was Robert Wynhoff, K5HUT, also an MMSN net control operator. Cummings said his vessel, with one passenger on board, was drifting northwest toward the South Carolina coast.

"A major concern was that the vessel was heading directly towards a lee shore," the MMSN reported. "Lee shores are shallow, dangerous areas which are a hazard to watercraft. Vessels could be pushed

into the shallow area by the wind, possibly running aground and breaking up."

Carpenter contacted Cummings' family, who had already called the Sea Tow marine towing service. Sea Tow advised Carpenter to tell the captain to head closer to shore by sailing west, if possible. Carpenter told Cummings that if he was unable to get nearer to shore, he would notify the US Coast Guard, which was already monitoring the situation.

As the MMSN reported, "The *Mystic Lady* was able to make some headway, but it was very slow. Members of the MMSN made additional calls via landline to the captain's family as to the ongoing status of those on board. The family was concerned but relieved that communication was established and that all were well."

Several hours later, the captain advised that the wind had picked up, allowing him to head close enough to shore for Sea Tow to reach the vessel and take it back to port.

The Pacific Seafarers' Net, which monitors 14.300 MHz from the West Coast after the MMSN secures at 0200 UTC, kept in touch with the *Mystic Lady* into the night while it was under tow.

The tired, grateful captain later messaged the net, "A million thanks to everyone last night who helped rescue us on 14.300. Everyone chipped in as we drifted north in the Gulf Stream 60 miles headed to a lee shore. The MMSN net control and several others stayed with us for hours, phoned people, and were immensely helpful. The situation on board was dangerous. We are now safely under tow home. You folks are amazing!"

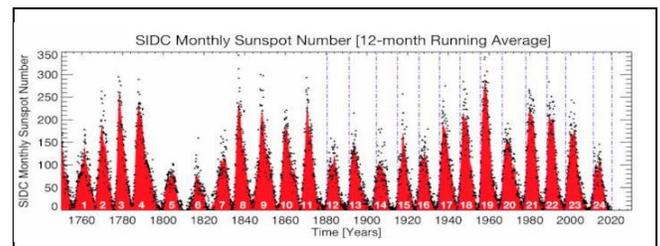
In operation since 1968, the MMSN monitors 14.300 MHz 70 hours a week to assist vessels and others in need of assistance. -- *Thanks to MMSN Net Manager Jeff Savasta, KB4JKL*

Newer Solar Cycle 25 Forecast Runs Counter to Consensus

Scientists associated with the National Center for Atmospheric Research, the University of Maryland, NASA Goddard Space Flight Center, and other institutions are offering a "bold prediction" on how Solar Cycle 25 will play out. In a [paper](#), "Overlapping Magnetic Activity Cycles and the Sunspot Number: Forecasting Sunspot

Cycle 25 Amplitude," they assert that the next sunspot cycle will be of major proportions. The forecast stands in stark contrast to the consensus of forecasters who predict that the magnitude of the nascent Cycle 25 may not be much different from the current unremarkable solar cycle, which appears to have reach its low point.

"From the dawn of modern observational astronomy, sunspots have presented a challenge to understanding -- their quasi-periodic variation in number, first noted 160 years ago, stimulates community-wide interest to this day," the abstract points out. "A large number of techniques are able to explain the temporal landmarks, (geometric) shape, and amplitude of sunspot 'cycles,' however, forecasting these features accurately in advance remains elusive."



Monthly sunspot numbers since 1749. The data values are represented by dots, and the 12-month running average values are illustrated as a red shaded area. Vertical blue dashed lines signify the magnetic activity cycle termination times that trigger the rapid growth of sunspot activity.

The paper notes that recent studies have illustrated a relationship between the sun's 22-year Hale magnetic cycle and the production of sunspot cycle landmarks and patterns, but not the amplitude of the cycle.

"Using discrete Hilbert transforms on 270 years of monthly sunspot numbers to robustly identify the so-called 'termination' events -- landmarks marking the start and end of sunspot and magnetic activity cycles -- we extract a relationship between the temporal spacing of terminators and the magnitude of sunspot cycles," the abstract explains. "Given this relationship and our prediction of a terminator event in 2020, we deduce that Sunspot Cycle 25 will have a magnitude that rivals the top few since records began. This outcome would be in stark contrast to the community consensus estimate of Sunspot Cycle 25 magnitude."

According to the paper, low-amplitude solar cycles appear to correspond with widely separated terminators, while larger-amplitude cycles correspond to more narrowly separated terminators.



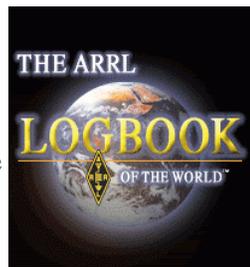
NASA's Solar Dynamic Observatory captured this image of a sunspot, with a core larger than Earth

"[O]ur best estimate for the [sunspot number] amplitude of Solar Cycle 25 is 233 spots, with a 68% confidence that the amplitude will fall between 204 and 254 spots," the paper posits. "We predict with 95% confidence that the Cycle 25 amplitude will fall between 153 and 305 spots."

The researchers concede that their forecast is outside of the scientific consensus, based on different paradigms. "Over the coming months, as [Solar Cycle] 25 matures, it will become evident which of these paradigms is most relevant," the paper says. "Very early indications of the spot pattern are appearing at higher-than-average latitudes (~40°). Historically, high-latitude spot emergence has been associated with the development of large amplitude sunspot cycles -- only time will tell."

Greater LoTW Database Accuracy is the Goal of TQSL Update(s) [First appeared in May]

The recently released TQSL version 2.5.2 application for uploading logs to Logbook of The World (LoTW) tightens requirements for data consistency, with the goal of improving the integrity of the LoTW database. Starting with TQSL version 2.5.2, discrepancies in submitted logs are now flagged, especially when it comes to the Amateur Data Interchange Format (ADIF) files frequently uploaded to LoTW. ...



"The value of the checks added to TQSL is that it lets operators know when the data they're handling in their computer-based logs is correct," said TQSL Developer Rick Murphy, K1MU. ...

Some help is on the way. Murphy will soon release TQSL version 2.5.3, which, among other things, skips over the OPERATOR field check ...

The problem is not always with the user. The initial implementation of cross-checks in TQSL 2.5.2 revealed that not all logging applications conform to the ADIF standard. ...

"Operators have a right to insist that the logging applications they use conform to the standards agreed upon by the ADIF collective," ... Read [more](#). [for complete article – ed]

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Over the July 9 - 15 reporting week, we only saw sunspot activity on July 10, when the daily sunspot number was 12. The sunspot was designated as number 2766, returning for a second appearance from Solar Cycle 24. From last week to this, the average daily sunspot number declined from 3.3 to 1.7, but average daily solar flux remained at 68.5.



Predicted solar flux remains low, further evidence of this long, deep solar minimum. All flux values for the next 45 days are predicted to stay below 70. The predicted 10.7-centimeter solar flux is 69 on July 16 - 22; 68 on July 23 - 24; 69 on July 25 - August 1, 68 on August 2 - 20; 69 on August 21 - 28, and 68 on August 29.

Predicted planetary A index is 5 on July 16 - 30; 8 and 10 on July 31 - August 1; 5 on August 2 - 8; 8 on August 9 - 10; 5 on August 11 - 26; 8 on August 27 - 28, and 5 on August 29.

George Hall, N2CG, in Northern New Jersey reported an extensive 6-meter opening, which we will cover in Friday's bulletin.

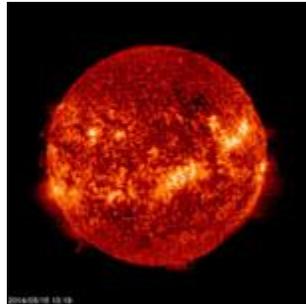
Sunspot numbers for July 9 - 15 were 0, 12, 0, 0, 0, 0, and 0, with a mean of 1.7. The 10.7-centimeter flux was 68.7, 68.8, 68.7, 67.6, 68.2, 68.9, and 68.4, with a mean of 68.5. Estimated planetary A indices were 4, 3, 3, 3, 6, 11, and 5, with a mean of 5. Middle latitude A index was 4, 3, 2, 3, 7, 9, and 6, with a mean of 4.9.

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](#) K9LA's Propagation Page.

A propagation bulletin [archive](#) is available. [Monthly charts](#) offer propagation projections between the US and a dozen DX locations.

[Share](#) your reports and observations

In case you're bored with recent pictures of the Sun, here's a picture of the Sun from May of 2014. An article above seems to say that it will get more exciting than this for the upcoming cycle 25 - ed .



Just Ahead in Radiosports

July 18 - Feld Hell Sprint

July 18 - Russian Radio Team Championship (CW, ph)

July 18 - Trans-Tasman Low-Bands Challenge (cw, ph)

July 18 - 9 - [North American QSO Party, RTTY](#)

July 18 - 9 - CQ Worldwide VHF Cntest (CW, ph)

July 19 -- RSGB Low Power Contest (CW)

July 19 -- Run for the Bacon QRP Contest (CW)

July 19 -- CQC Great Colorado Gold Rush (CW)

July 22 -- SKCC Sprint (CW)

July 23 -- RSGB 80-M Club Championship, Data

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.

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

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.

- July 16 - 19 -- [Montana State Convention](#), Essex, Montana
- July 24 - 25 -- [Oklahoma State Convention](#), Oklahoma City, Oklahoma (now a free Zoom-based online event)
- August 21 - 23 -- [West Virginia State Convention](#), Weston, West Virginia (now a free Zoom-based online event)

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

Announcements

- Radio amateurs and others may listen for ham radio activity from the International Space Station (ISS) by monitoring 145.800 MHz.
- ARRL has a new way to let members know when the digital editions of *QST* and other publications are available. Distributed via email, *The ARRL Current* offers a monthly overview of ARRL publications and member benefits. The inaugural edition launched in June. Subscribe now to receive each issue going forward. Manage your email preferences from your [ARRL account](#) (members must first be registered on the ARRL website). Go to the [Edit Email Subscriptions](#) page, select *The ARRL Current*, and then click **Save**.
- Volunteer Monitor (VM) **program** coordinator Riley Hollingsworth, K4ZDH, reported that monitoring hours increased significantly from the first quarter to the second quarter of the year. VMs logged first-quarter HF hours at 3,533, and VHF/UHF/Other hours at 2,258. They logged second-quarter HF hours at 5,930, and VHF/UHF/Other at 7,478.

- The first DX Engineering ([DXE](#)) Virtual Hamfest and DX Academy takes place on Saturday, July 25, Both virtual events are free. [Register](#) for the Zoom platform presentations or watch live on the DXE YouTube channel. The DXE hamfest starts at 9 AM. The DX Academy starts at 1 PM. Visit the DXE [Facebook page](#) or [On All Bands](#) blog for more information.

- Brazil's IARU member-society LABRE has released an analysis of radio amateurs by numbers, class, and state. With a population of 212 million, Brazil boasted 39,539 radio amateurs (36,919 men and 2,620 women) in 2019. By way of comparison, the UK, with a population of 67 million, is believed to have some 78,000 individual amateur licensees as of mid-July 2020.

In Brief...

International Lighthouse Lightship Weekend is on track for 2020.

Registrations for this year's popular International Lighthouse Lightship Weekend ([ILLW](#)) appear to have been largely unaffected by the current COVID-19 pandemic. The event will take place this year over the August 22 - 23 weekend. By mid-July, more than 200 entries had been received, and some 400 are expected to have signed up by the event weekend. New to this year's event is Corsica at Phare d'Alistro, which for ILLW purposes carries the French number of FR0030. Two lighthouses in Ghana will be on the air for the first time, as well as Buck Island Lighthouse in the US Virgin Islands (VI0001). Germany is well in the lead with 54 entries, followed by Australia with 29 entries, and the US with 27 entries. This event is designed as a fun weekend to encourage exposure to amateur radio and lighthouses to the visiting public, and ILLW stresses that contacts should be more than just an exchange of signal reports. All participants are urged to observe local COVID-19 safety guidelines. --*Thanks to Kevin Mulcahy, VK2CE*



“As far as paying off debt is concerned, there are very few instances in history where any government has paid off debt.” ... Walter Wriston

A special event will celebrate the 40th anniversary of Vanuatu's independence



On July 30, 1980, the Republic of Vanuatu gained its independence. France and the UK claimed parts of the archipelago, and in 1906, they agreed on a framework for jointly managing it as the New Hebrides. In celebration of the 40th anniversary of independence, all three members of the Vanuatu Amateur Radio Society (VARS) will operate special event station YJ40IND during the month of July. Activity will be according to the individual operators' schedules, but is expected to occur mostly during late afternoons and evenings (0600 - 1000 UTC). A greater emphasis will be made over weekends and on Independence Day, July 30. Operators should look for activity on 40, 20, and 15 meters, where propagation is expected. On FT8 (normal or as the Fox) will be Rod, YJ8RN. On SSB will be Estelle, YJ8ED. On CW, listen for Colin, YJ8CW. Operators will be running 100 W. - - *Thanks to [The Daily DX](#)*

Select DX News (QRV = Ready! or Are you Ready?) ARLD029 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.

- **The Rebel DX Group** has postponed its planned DXpedition to Banaba Island and Tuvalu due to the COVID-19 pandemic. Organizers remain hopeful of resuming plans to activate Bouvet Island (3Y0I) late this year.

BRUNEI, V8. V84SPU will celebrate the 74th birthday of His Majesty Sultan Haji Hassanal Bolkiah Muizzaddin Waddaulah. Ops will be July 18 to 31 on all bands and modes. QSL #1 only

UNITED ARAB EMIRATES, A6. To commemorate the launch of the Mars "Hope Probe" & 50th anniversary of the union of the UAE, special event station A60EMM will be QRV with multiple stations (i.e. A60EMM/1 /2, ...) [Listed 7/15 2020 – ed] QSL details on [qrz.com](#).

FINLAND, OH. **From July 17 to 30**, Ric, DL2VFR plans to be QRV as OH73ELK, mainly on CW. QSL via the OH QSL Bureau.

BOSNIA AND HERZEGOVINA, E7. Members of the Nikola Tesla Radio Club are celebrating Tesla's 164th birthday with the call sign E7TESLA **until July 20**. QSL via E77E direct or via the Bureau or eQSL.

ITALY, I. Members of the Italian Naval Old Rhythmers Club (I.N.O.R.C.) will be using the call sign IIOICEH from **July 18 to Aug. 1** to commemorate the Andrea Doria disaster. QSL #3

OGASAWARA, JD1. Takashi, JH1FFW is QRV as JD1/JH1FFW **until July 19** on 40 to 6 meters using SSB and FT8. QSL via the Bureau to his home call, LoTW or eQSL.

UNITED STATES OF AMERICA, K. The Grayson County Amateur Radio Club commemorates the Red River Bridge War of 1931, a boundary conflict between Oklahoma and Texas, w/call sign W5I from **July 18 to 26**. QSL via K5GCC direct or via the Bureau, LoTW or eQSL.

RUSSIA, R1. The Russian Robinson Club announces that Milhail, R1MJ, Yulia, R1CBL and Vitalia, RA1AGJ will be QRV from Gogland Island (EU-133) from **July 23 to 28**. They plan to operate in the RSGB IOTA Contest with their individual calls. Activity will be on 160 to 15 meters. QSL via home calls.

BULGARIA, LZ. George, LZ2VP is QRV as LZ77VP until the **end of July**. QSL via LZ2VP.

GREECE, SV. Members of the Radio Amateur Association of Western Peloponnese (RAAWP) are dedicating the special event call sign SX3SP to the memory of Saint Paisios of Mount Athos, **until July 31**. QSL via LoTW or eQSL.

DODECANESE ISLANDS, SV5. Stathis, SV5DKL plans to participate in the RSGB IOTA Contest, **July 25 and 26**, in the single-op, all-band, CW, High-power category from his home station on Rhodes Island. QSL #1. After the contest he will upload to LoTW, Club Log and eQSL.

TAIWAN, BV. BX2AB is planning to operate as BV0WPX from the PengHu Islands during the RSGB IOTA Contest, **July 25 and 26**. He will be single-op assisted. QSL via BV2KI. Also, Bruce, BV2KI will be QRV in the contest as V9AYA. He will be single-op assisted. QSL #1

GHANA, 9G. Matteo, IZ4YGS travels to Ghana on July 24. After quarantine he will be at his station starting **August 8** and continuing **until mid-September** as 9G5GS. QSL via OQRS, LoTW, eQSL or direct to the IZ4YGS address.

TURKEY, TA. YM9SIX is a new 6M beacon, running 5W to a vertical on 50.403.5. It is located at the QTH of TA7OM in grid KN80. Testing is on going. It appears it may be moved to grid LN10 & another frequency at some point.

FRANCE, F. Station TM11AD will be operated by the British Breakout from Normandy Museum in its annual liberation festival, **on August 1 & 2**. Ops will be on HF CW, SSB and digital modes. They are hoping to use genuine WWII era gear and demonstrating it to the public. QSL via F4KKE, LoTW or Club Log.

MALTA, 9H. Reiner, DL2AAZ plans to be QRV from **Sept. 4 to 18**, holiday style, if there are no COVID-19 concerns. Call signs 9H3TI & 9H3SAT have been requested. He will be QRV on 40 to 6M and 13/3cm on the QO-100 satellite, using SSB and CW. QSL via the Bureau, no Club Log or LoTW.

UKRAINE, EM44. Look for EM44L to be active from the Regional Landscape Park "Feldman Ecopark" (URFF-0194; New One) **on July 18 & 19**. QSL via UT5LU.

GREENLAND, OX. Bo, OZ1DJJ will be QRV from Aasiaat Island as OX3LX **until July 30**. Ops will be on 40 to 4M. He will also try to activate other islands of this IOTA group. QSL via OZ0J.

PHILIPPINES, DU. Members of the Ham Society of the Philippines are operating as DZ30SH from Malolos City until **August 29**, supporting STAYHOME activities. QSL via LoTW or eQSL.

FAROE ISLANDS, OY. Torsten, OY/DL4APJ and Udo, OY/DL2AQI will be QRV **September 15 to 23**, holiday style on 80 to 10M, using CW,

SSB, RTTY, PSK and FT8. QSL #1, or via the DARC bureau, eQSL or LoTW.

SVALBARD, JW. Erwann, LB1QI will be active as JW/LB1QI from the JW5E club station in Loneyarben from **September 24 to 27**. Activity will be on 160 to 6 meters using CW and SSB. QSL via LB1QI, direct, by the Bureau, LoTW or ClubLog.

KOSOVO, Z6. German team Z66DX will be QRV from **October 15 to 28**, on 160 to 10 meters, including the newer bands. Look for them using CW, SSB, RTTY and FT8. Operators are DJ9KH, DL2AMD, DL2AWG, DL3APO, DL9GFB and DM2AUJ. QSL through Club Log OQRS for direct or bureau. And then LoTW upload.

THE NETHERLANDS, PA75. Special event station PA75WSN will be active until the **end of the year [2020 – ed]** to commemorate the 75th anniversary of the liberation of The Netherlands in World War II. Activity will be on various HF and UHF bands using SSB & Dig. Modes. QSL via the Bureau or direct. See QRZ.com for details.

FT8DMC ANNIVERSARY. More special call signs celebrating the 3rd anniversary of the FT8 Digital Mode Club, **until July 31** include CB3DMC, XR3DMC and XR3FT8 from Chile (QSL direct to CE3GCA); GB8DMC from England (operated by G8LIY, QSL via qrz.com), and OZ8FTDM from Denmark (operated by OZ1KZX, QSL via LoTW and eQSL).

ANGOLA, D2. Gabriel, D2EB, has 6M capabilities and may soon be active from Grid Square JI61pe. [**June 2020 – ed**] QSL via IZ3ETU.

SOMALIA, T5. Ali, 6O1OO has been active on 20 meters using FT4 in DXpedition mode around 2320z. [**June 2020-ed**] QSL #1

CHAD, TT. Nicolas, TT8SN has been active on 6 meters using FT8 just after 1000z. [**June 2020-ed**] QSL via DL9USA.

MALI, TZ. Jeff, TZ4AM has been QRV on 20M CW about 0820z. [**June 2020-ed**] QSL via W0SA.

INDIA, VU. Verghese, VU3WNI is QRV with special call AU9VV **until August 20** while

participating in the STAY-HOME activities. In addition, VU2USI is QRV as AT2SAH until August 19. QSL #2

WEST MALAYSIA, 9M2. The Malaysian Amateur Radio Transmitters Society (MARTS) will be QRV with special event call signs 9M4STAYHOME, 9M4COVID and 9M4DUDUKRUMAH **for three months, beginning on May 15 [to Aug 15th-Ed]**. Look for them on the HF bands using SSB, CW and digital modes. QSL via bureau or 9W2PD direct.

INDIA, VU. Members of the Tripura Ham Radio Club support the present stay-at-home operations as AT2THC **until August 1** on the HF bands. QSL via VU2LJB.

COLOMBIA, 5J. 5JSTAYHOME is the latest COVID-19 special event station from Colombia. [**Listed June 2020-ed**] Note: Only one number in call sign.

SAUDIA ARABIA, HZ. The Saudi Amateur Radio Society's, HZ1DG is a new 6M beacon, transmitting on 50.055 MHz and using 5 watts into a vertical antenna. The grid locator is LK18gf.

SAMOA, 5W. COVID-19 special event call 5W19STAYS SAFE will be operated by Atsu, 5W1SA. [**Listed June 2020-ed**] Samoa has zero reported cases of the novel Coronavirus due to the early gov. lockdown.

ENGLAND, G. Special call GB75PEACE will be used by RSGB members as part of VE Day and VJ Day celebrations, **May 1 to 31 and August 1 to 31**. They will be QRV on the HF bands and 6 meters using phone, CW and digital. QSL via LoTW or eQSL only, no paper QSLs.

Long Term: (longer than 1 month)

EASTER ISLAND, CE0Y. Hans-Martin, DK2HM will be QRV as XR0YHM from **August 27 to September 7**, on 80 to 10 meters using SSB and digital modes. QSL via OQRS on Club Log, LoTW, eQSL, direct or bureau to DK2HM.

MALDIVES, 8Q. Yusuke, JJ1DQR is planning to be active as 8Q7QR from Male Island (AS-013) from **September 4 to 8**. Activity will be on various HF bands using SSB and FT8. He will also

be in the ALL Asian DX SSB Contest, **September 5 and 6**. QSL via JJ1DQR, direct or via Bureau.

GUATEMALA, TG9. Dwight, VE7BV plans to be active as TG9BBV from **November 1 to 30**. Activity will be holiday style on most bands using mostly CW with some SSB and FT8. QSL via VE7BV, direct, by the Bureau or LoTW.

ANTARCTICA. Station KC4USV located at the McMurdo Station, IOTA AN-011, has been QRV on 20 meters using SSB. [**Listed June 2020-ed**] QSL via K7MT.

HUNGARY, HA. The Hungarian FIRAC group is active with the call sign HA70MAV **until December 1, 2020**. QSL via LoTW or eQSL.

Until the End of 2020

NORWAY, LN1. The Norwegian National Guard's Radio Amateur Club (LA1V) is QRV as LN1V **during all of 2020** to mark the 75th anniversary of the liberation of Norway at the end of World War II. Operations will be on 160 meters to 70 cm (including 60 and 4 meters) using CW, SSB and digital modes. QSL via LA4LN, either direct or via the Bureau, but no electronic QSLs.

SLOVENIA, S5. Members of Radio Club Cerkn0 are QRV with special event call S500E for **all of 2020** to mark half a million QSOs made from the S50E station. QSL #4.

FEDERAL REPUBLIC OF GERMANY, DA. Members of the DARC club of Pulheim are QRV with special event call sign DL40PUL **during 2020** to celebrate the club's 40th anniversary. QSL via bureau.

A year-long special event will honor Beethoven.

German special event station [DL250BTHVN](#) will be active between **until December 17, 2020**, to honor the 250th anniversary of the birth of famed composer Ludwig van Beethoven. The Beethoven anniversary year will take place under the auspices of Germany's Federal President Frank-Walter Steinmeier. Beethoven

was born in December 1770 in Bonn, Germany, and lived there for the first 22 years of his life. QSL via direct or by the bureau.

Until 2021

ANTARCTICA, RI1. Alexander, RX3ABI will be active as RI1ANM from the Russian Mirny Station in Queen Mary Land, (AN-016), on the coast of the Davis Sea, **until early 2021**. Activity will be on HF bands during his spare time. QSL#1

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 for the **next 18 months. [until March 2021-ed]** Activity is mostly on SSB. QSL #2

NICARAGUA, YN. Trevis, YN7ZTR is a missionary working in Gaunacastillo for the next two years. He is active in his spare time. [listed in 2020-June-ed] QSL via LoTW.

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

Lunch Financials – for Feb., 2020

Attendance:	21	
	Starting Lunch Kitty:	\$ 150.75
Expenses:	Pizza(1) & Salads	\$102.00
	Drinks: Soda: 8 @ 0.375 =	\$3.00
	Water 2 @ 0.25 =	\$0.50
	Food Total:	\$105.50
		\$ 45.25
Income:	Lunch:	\$108.75
		\$154.00
	Room Rent-To General Funds:	\$00.00
		\$154.00
	Starting - Kitty for Mar 17, 2019 Mtg:	\$154.00
	[Gain of \$3.25 - \$20.00 for room rent = Loss of 16.75]	

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.ARRLAX.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

1981 Russ Sanford, WA6NQQ, 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 (Current President)

2020 – Brian, AB6UI (President Elect)

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/bandplan.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

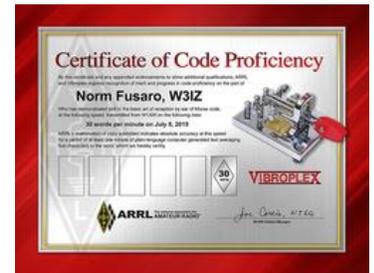


	Frequencies (MHz)									
CW:	1.8025	3.5815	7.0475	14.0475	18.0975	21.0675	28.0675	50.350	147.555	
DIGITAL:	-	3.5975	7.095	14.095	18.1025	21.095	28.095	50.350	147.555	
VOICE:	1.855	3.990	7.290	14.290	18.160	21.390	28.590	50.350	147.555	

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.
 For July. & Aug.- Time is PST: [10 – 35 wpm – **Bold 35 – 10 wpm**] – on CW Frequencies listed above

Month	6am	1PM	4PM	7PM	6am	1PM	4PM	7PM	6am	1PM	4PM	7PM	6am
July	7/21		7/23	7/22		7/24		7/27	7/29	7/30	7/31		
Aug.		8/3	8/4	8/6	8/7	8/11	8/12		8/13			8/14	8/18
Aug.				8/19		8/21	8/20	8/24	8/26	8/27	8/28		

West Coast Qualifying Runs:

Tues July 28 @ 6 PM HST (0400 UTC July29) on 7047.5 & 14047.5 kHz by KH6TU 40 – 10 WPM
 Wed Aug 26 @ 9 PM PDT (0400 UTC Aug 27) on 3590 & 7047.5 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.

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

SKCC Beginner's Corner (Headings from the above Web site)

Monthly Straight Key Night (SKN) is on the 1st of each month. It is not a contest. No logs are submitted. The event, was inspired by the ARRL's annual SKN. The SKCC's founders wanted to have SKN monthly. The tradition continues! 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:		
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 (0200 UTC Thursdays) (Just Started Sept. 2018)
Thursdays, 12:05PM (1900 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 Monday of the month, 7:00 PM (0200 UTC Tuesday)

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.
