



# The Transponder



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

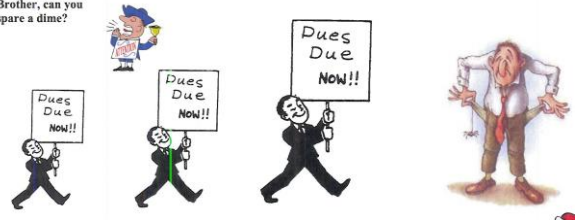
August 14, 2020 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVII, No.8

**\*\*\* 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, August 18, 2020, meeting 12 to 1 PM  
Time: Zoom attendees may gather as early as 11:30  
Roll Call, 11:45

Brother, can you spare a dime?



**Featured Presentation:**

**"How to Become Radioactive"**  
By Howard, KE6MAK

**Up Coming Events:**

**On-Going to Oct. 20, 2020 – Far Out Contest**

**Fall of 2020 – Technician License Class**

**Wednesday, July 1<sup>st</sup> Dues were 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)

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**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**

Covid-19 is still with us and so is social distancing. Ham radio is a great way to keep in touch with friend and make new friends!

Some upcoming events are: International Lighthouse Lightship Weekend - ILLW This year: 00.01 UTC 22nd August to 2400 UTC 23rd August 2020 (48 hours)

The ARRL VHF contest Begins Saturday September 12 and runs through 0259 UTC Monday- Sept 14 Summits on the Air is always fun.

SOTA has been carefully designed to make participation possible for all Radio Amateurs and Shortwave Listeners - this is not just for mountaineers! There are awards for activators (those who ascend to the summits) and chasers (at home in the shack-ed).

All of which makes it a good time to stay "Radio-Active"

73 de AB6UI, Brian

**As of July 1<sup>st</sup>, HARC Dues were 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 1<sup>st</sup> to June 30<sup>th</sup>, 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

**Contests August – September - October****Far Out Contest – HARC Club Contest**

In progress, ending Oct. 20, 2020

**Object:** To bring up the Repeater, using RF from your radio, from the farthest away.

Detailed rules have been distributed, or contact, Howard, KE6MAK

**Aug 22, 3 International Lighthouse and Lightship weekend.**

Our own President, Brian, AB6UI is planning to put the Angeles Gate Light on the air for the 1<sup>st</sup> time ever. See Page 6 for an article on the ILLW event or the link below for all the detail.

Details: <https://illw.net/>

**Sept. 12 – ARRL VHF Contest**

**Objective:** For amateurs in the US and Canada (and their possessions) to work as many amateur stations in as many different 2 degrees x 1 degree Maidenhead grid squares as possible using authorized frequencies above 50 MHz. Stations outside the US & Canada (and their possessions) may only work stations in the US (and its possessions) and Canada.

Details: <http://www.arrl.org/september-vhf>

**CQ World-Wide DX Contest**

**SSB: October 24-25** CW: November 28-29

The CQ WW is the largest Amateur Radio competition in the world. Over 35,000 participants take to the airwaves on the last weekend of October (SSB) <https://www.cqww.com/>

**OBJECTIVE:** For amateurs around the world to contact as many other amateurs in as many CQ zones and countries as possible.

This is one of the old standards.

**Board Meeting Minutes – 7/23/2020**

7:24PM: Zoom Meeting called to Order

Attendees (8): Paul KK6TAC, Mike N6MDV, James W6JIC, Brian AB6UI, Mike N6MDV, Brian AB6UI, Howard KE6MAK, Dale WB6MMQ

*(These minutes are edited for brevity – Unedited version is available on request from either the Secretary or Editor)*

**Agenda Items**

- Non-Profit IRS 501(c) (3)
- Technician class – In the Fall?
- Zoom license renewal
- New Yaesu Repeater
- Jet to Jetty 10K Race ?

- QuarterMaster – Committee Chair or New Officer Position?
  - Weekly Zoom Meeting / Same ID/PW?
  - New Member Badges - Postage?
  - Dues - PayPal
  - Club contest –Far and Away
  - Portable Tower Trailer
  - Future In-person Meeting
  - Presentation for next Meeting(s)
- A. Non-Profit 501(c)(3) – Discussion – No Action
- B. Tech Class – Mike, N6MDV
- a. Sept or Oct, via Zoom - Yes
- C. Zoom license: \$15.00
- a. Club to Pay for August - Yes
- D. Repeater Up Grade – Brian, AB6UI
- a. Yaesu Offered Limited time Discount –
  - b. AB6UI purchased, ‘on the come’
  - c. Discussion: Many advantages over current machine
- E. Jet to Jetty 10K – Dale, WB6MMQ
- a. No input from Organizers –
  - b. Dale to Inquire
- F. QuarterMasterr – We Need One
- a. Discussion - Is QM an Officer or Committee ChairPerson
  - b. Discussion - No prospects mentioned
- G. Zoom Meeting – Mike, N6MDV
- a. Weekly / use same ID/PW –
  - b. Mike to check on it
- H. New Member Badges – Dale, WB6MMQ
- a. Postage OK to \$35.00 or so
  - b. Dale to either mail or deliver
- I. Dues via PayPal – Mike, N6MDV
- J. Club Contest – Howard, KE6MAK
- a. Far and Away
  - b. Howard to publish rules
- K. Portable Trailer – Brian, AB6UI
- a. New Storage Location needed
  - b. Refurbishment needed
  - c. Salt air bad at this location
  - d. Action needed Soon
- L. Future in-Person meeting – Howard, KE6MAK
- a. Plan Ahead – Meeting w/nice meal?
- M. Presentations for next Meeting(s)
- a. August – Howard. KE6MAK
  - b. September – Brian, AB6UI,
    - i. Yaesu, C4FM, WiresX

8:31PM - Meeting Adjourned

Respectfully Submitted, James, W6JIC, Secretary

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 "Price is what you pay. Value is what you get."

-- Warren Buffett

## ARRL Letter – Excerpts of possible interest

### **Field Day 2020 is Shaping Up to be One for the Record Books** (Held over from July)

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.

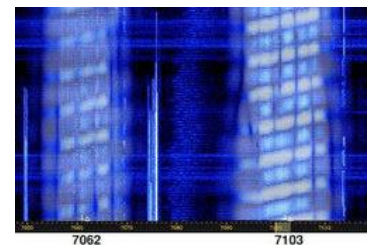


Participants who submitted entries online are encouraged to check the Field Day [entries received](#) page to verify that their entries are marked as complete, and that the club name entered is correct. Entries with a status of "pending" are incomplete entries that are missing one or more items, and 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](#).

## **Russia-Ukraine "Radio War," HF Radars are Most Frequently Reported Ham Band Intrusions**

The Russia-Ukraine "radio war" and the Russian over-the-horizon radar (OTHR) "Contayner" were the most frequently reported amateur band intruders during July, according to the



The Russian OTHR "Contayner" signal on 40 meters last fall.

International Amateur Radio Union Monitoring System (IARUMS). IARUMS characterized the ongoing broadcast radio war transmissions between

the neighboring nations as "spiteful and provocative." Clandestine stations have appeared on 7.055, 7.090, and 7.110 MHz. IARUMS has determined that the heavy harmful interference from the Contayner Russian OTHR is coming from a location east of Moscow. Contayner OTHR signals have been monitored on various frequencies on 40, 20, and 15 meters, with a typical occupied bandwidth of about 12 kHz.

"Sometimes, we also found the 20 kHz wide OTHR from the UK base in Cyprus, but less than in previous years," reported [IARUMS Region 1 Coordinator Peter Jost, HB9CET](#), in the [July newsletter](#). "Due to some band openings at 10 meters, some of us [also] heard several driftnet fishing buoys."

Owing to vagaries in ITU *Radio Regulations* footnotes that relate to amateur radio frequencies, however, not every signal classified as an intruder is actually an intruder. It could be a signal that complies with the regulations, Jost pointed out to readers.

"The numerous footnotes of the ITU *Radio Regulations* must always be taken into account," Jost said. "For example, the 14,250 - 14,350 kHz range is primarily assigned to the fixed service in some [countries]. Since we cannot determine the origin of signals with absolute certainty, they are usually recorded as intruders, even if there is the possibility of an exception, due to a footnote."

The latest IARU-R1 Monitoring System newsletter includes reports from German radio amateurs on the large number of fishery buoys operating on 10 meters, where amateur radio is primary.

Listeners outside of Region 1 can monitor the HF online using one of the many [web-based SDR receivers](#).

### 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. . . .

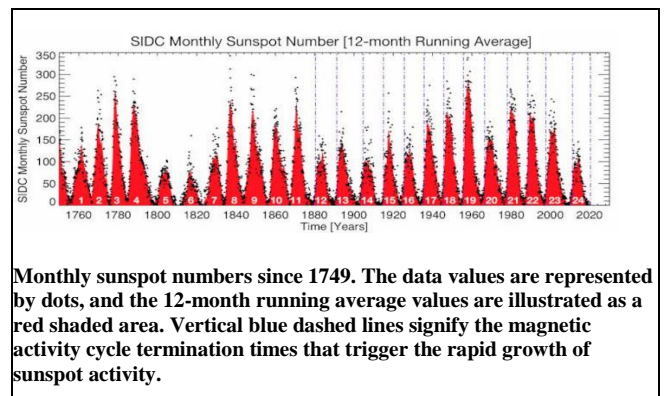
The **Pacific Seafarers' Net**, which monitors 14.300 MHz from the West Coast after the MMSN secures at 0200 UTC (7:00 pm PST - ed), kept in touch with the *Mystic Lady* into the night while it was under tow. . . .

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*

It is interesting how often one of these two nets provides assistance to someone at sea. If you're in the shack, monitoring 14.300 MHz may add interest to your day from time to time. – ed

### Newer Solar Cycle 25 Forecast Runs Counter to Consensus

(Held over from July)  
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 . . . however, forecasting these features accurately in advance remains elusive."

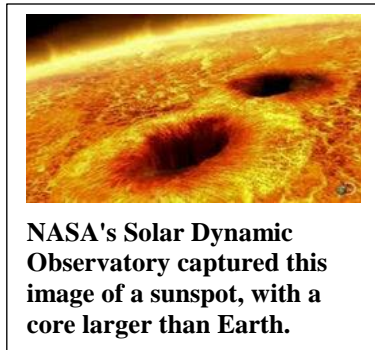
The paper notes that recent studies have illustrated a relationship between the sun's 22-year Hale magnetic cycle and the production of sunspot cycle landmarks and patterns, but not the amplitude of the cycle.

"Using discrete Hilbert transforms . . . to robustly identify the so-called 'termination' events -- landmarks marking the start and end of sunspot and magnetic activity cycles -- we extract . . . 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."

... "[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."

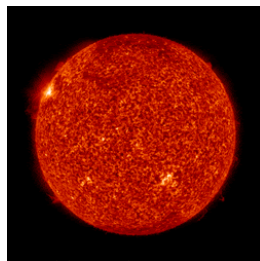


NASA's Solar Dynamic Observatory captured this image of a sunspot, with a core larger than Earth.

The researchers concede that their forecast is outside of the scientific consensus, based on different paradigms. . . . "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."

**The K7RA Solar Update**

Tad Cook, K7RA, Seattle, reports: New Sunspot Cycle 25 continues to make a strong showing. Sunspots have appeared every day over the past 3 weeks. Average daily sunspot numbers for the week slipped a bit from 19.6 to 14.3 this week, but average daily solar flux increased from 72.8 to 73.8. Geomagnetic indicators remain quiet. Both the average daily planetary and mid-latitude A index were 3.7.



Predicted solar flux for the next 6 weeks is 74 on August 13 - 15; 72 on August 16 - 27; 73 on August 28 - 29; 75 on August 30 - September 9; 73 on September 10 - 11; 72 on September 12 - 23; 73 on September 24 - 25, and 75 on Sept. 26. This is a welcome change from recent forecasts, which saw predicted solar flux consistently below 70.

Predicted planetary A index forecasts continued quiet geomagnetic conditions, at 5 on August 13 - 23; 8 on August 24 - 25; 5 on August 26 - 28; then 8, 16, and 8 on August 29 - 31; 5 on September 1 - 19; 8 on September 20 - 21; 5 on September 22 - 24, and 8 and 16 on Sept. 25 - 26.

Sunspot numbers for August 6 - 12 were 14, 14, 11, 13, 12, 12, and 24, with a mean of 14.3. The 10.7-centimeter flux was 73.1, 74, 74.7, 73.9, 74.2, 73.5, and 73.1, with a mean of 73.8. Estimated planetary A indices were 5, 4, 5, 3, 3, 3, and 3, with a mean of 3.7. Middle latitude A index was 4, 5, 5, 3, 3, 3, and 3, with a mean of 3.7.

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**

- Aug. 15 - 16 - Russian Dist. Award Cnst (CW, ph)
  - Aug. 15 - 16 - Keyman's Club of Japan Cnst CW
  - Aug. 15 - Feld Hell Sprint
  - Aug. 15 - 16 - North American QSO Party SSB**
  - Aug. 15 - 16 -- CVA DX Contest, CW
  - Aug. 16 - SARL HF Digital Contest
  - Aug. 16 - NJQRP Skeeter Hunt (CW, phone)
  - Aug. 16 -- ARRL Rookie Roundup RTTY**
  - Aug. 16 - Run for the Bacon QRP Contest (CW)
  - Aug. 22, 3 - International Lighthouse Lightship**
- 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 the investor, a too-high purchase price for the stock of an excellent company can undo the effects of a subsequent decade of favorable business developments." -- Warren Buffett

**From May of 2014**

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



**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](mailto: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](#).

- August 21 - 23 -- [West Virginia State Convention](#), Weston, West Virginia (now a free Zoom-based online event)
- October 3 -- [Kentucky State Convention](#), Bowling Green, Kentucky

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

**Announcements**

• **Russian Over-The-Horizon Radar (OTHR)**  
 The **Duga-2** was one of three OTHR sites, now just outside the Chernobyl exclusion zone. In operation from 1976 until 1986, it was dubbed the "[Russian Woodpecker](#)" by radio amateurs for the widespread havoc it wrought on the HF bands. BBC Reel has

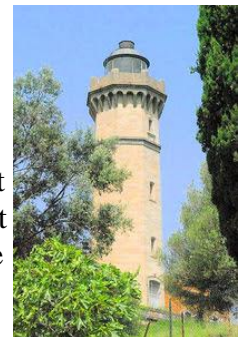
posted a short [video](#) about it, in Russian and English, with English subtitles.

- **International Space Station (ISS)** - Radio amateurs and others may listen for ham radio activity from the ISS by monitoring 145.800 MHz.
- **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 Q1 HF hours at 3,533, and VHF/UHF/Other hours at 2,258. They logged Q2 HF hours at 5,930, & VHF/UHF/Other at 7,478.

**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*



\*\*\*\*\*  
 Mentioned recently in an interview concerning the investment:

“Doubt is not a pleasant condition, but certainty is absurd.” -- Voltaire

...

**Select DX News** (QRV = Ready! or Are you Ready?)**ARLD033 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. (Announced July 2020 – ed)

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.

MEXICO, 6E. Ramon, XE1KK will be using special call sign 6E6E until **December 31**. He plans to use it in the CQWW DX SSB Contest in October and possibly in other contests. Most of his activity outside of the contests will be on FT8/FT4 on 160 to 6M. QSL via LoTW only.

MEXICO, XE. Ramon, XE1KK is QRV with special call 6E6E until the **end of 2020**. Activity is on 160 to 6 meters using mostly FT8 & FT4. This includes being active on the upcoming CQ World Wide DX Phone contest. QSL via LoTW.

CHATHAM ISLANDS, ZL7. Operators Chris, ZL2DX and Catherine, ZL2QT are QRV as ZL7DX and ZL7QT, respectively, from Waitangi, IOTA OC-038, **for the next few years (listed July 2020 – ed)**. Activity is on the HF bands and 6M EME. QSL via M0OXO.

FRANCE, F. Members of the radio club F8KGGH will be QRV with special call TM76DP from **August 8 to 22** to commemorate the 76th anniversary of the Provence Landing in August 1944. Activity will be on 80 to 6M using CW, SSB & various digital modes. QSL #2.

SARDINIA, IS0. Gil, IZ2DLV will be QRV as IS0/IZ2DLV from Portobello di Gallura from **August 10 to 28**. Activity will be on 60 to 15M using CW, SSB & FT8. QSL direct to home call.

GREECE, SV. Francesco, IK6QON will be QRV as SV8/IK6QON from Corfu, IOTA EU-052, from **August 9 to 20**. Activity will be holiday style on 40 to 6 meters using CW and SSB. QSL #1

TURKEY, TA. Stations TC3GP and TC3GS are QRV **until August 23** to commemorate the 105th anniversary of the Battle of Gallipoli. QSL via YM3KCN.

MEXICO, XE. Special event station 4A2MAX is QRV **during August** to honor the memory of Maximilian Kolbe. Activity will be on the HF bands using CW, SSB and various digital modes. QSL via LoTW.

ENGLAND, G. Special event stations GB75PEACE, GB1945PE and GB1945PJ will be QRV **during August (2020 – ed)** to mark the end of World War II in the Pacific. QSL via LoTW.

CORSICA, TK. Frans, DJ0TP is QRV as TK/DJ0TP until **September 14**. Activity is holiday style on the HF bands. QSL #1

COLOMBIA, HK. Members of the Colombian Amateur Radio League are QRV with special call sign 5K87LR from Bogota until **August 31** to celebrate the 87th anniversary of the LCRA. Activity is on the HF bands. QSL via LoTW.

REPUBLIC OF KOREA, HL. Members of the KARL Chungbuk HQ are QRV, special call HL75V **in August** celebrating the liberation of the Korean peninsula 75 years ago. QSL via 6KOMF.

BARBADOS, 8P. Mathieu, VA2MVR is QRV as 8P9QC from Pine Gardens until **September 12**. Activity is mainly on 40 and 20M using SSB with a possibility of FT8 & FT4. QSL via LoTW.

GHANA, 9G. Matteo, IZ4YGS will be QRV as 9G5GS from August 8 to **September 15**. Activity will be on the HF bands using mostly SSB & FT8, and on Satellite QO-100. QSL #1.

GHANA, 9G. Matteo, IZ4YGS will be active as 9G5GS from Sanzule, **until September 15**. Activity will be limited to his spare time on 160 to 10M using mostly FT8 (F/H) and SSB. He

will also be active through the QO-100 geostationary satellite, USB mode. He will update daily to ClubLog. QSL #4 or #6 or IZ4YGS direct.

CHILE, CB33. Members of the Radio Club Eternautas (CE3ETR) are now active as CB33M **until October 13**. Activity is to commemorate the 10th anniversary of the August 2010 landslide in a mine in the north part of Chile where 33 miners were trapped for 3 months until their rescue was carried out. Operations will be on 80 meters through 70 cm using CW, SSB and digital modes FT8/FT4, JS8, RTTY, PSK31 and SSTV. QSL via PO BOX 12096, Santiago, Chile.

OGASAWARA, JD1. Makoto, JI5RPT will be active as JD1BLY from Chichijima Island (AS-031) from **October 3 to 6**. The schedule may change depending on the status of COVID-19. Activity will be on 630 to 6M using CW, SSB and the digital modes (No 6 meter EME). He will focus on the 630M band, 160 meter SSB, the RS-44 satellite & FT8 on the HF bands. 630 meter activity will be mainly on JT9. QSL #1

UNITED STATES, N7. Look for special event station N7C to be active until **August 15** for the 16th annual celebration of the Navajo Code Talkers. QSL to Herb, N7HG or N7C, at the QRZ.com address.

TURKEY, TC3. Look for special event stations TC3GP and TC3GS to be active **until August 23**, to commemorate the 105th anniversary of the Battle of Gallipoli. QSL via YM3KCN.

FRANCE, TM. Operators Christian, F5OHH and Didier, F4ELJ will be active as TM2LW from the Kerprigent Lighthouse (ILLW FR-031, ARLHS FRA-769, DFCF 22-036, DMF 22-011, WW Locator IN88GS) near Lannion during the International Lighthouse Lightship Weekend (ILLW), **August 22 and 23**. Activity will be on various HF and VHF bands using CW, SSB and the digital modes. QSL via F4ELJ.

FRANCE, TM76. Members of the Radio Club du Val d'issole (F8KGH) will use the special call sign TM76DP until **August 22** to commemorate the 76th anniversary of the Provence Beach Landings (DRAGOON operation) in August 1944. Activity

will be on 80 to 6M using CW, SSB and the digital modes. QSL via F4GPB.

HONG KONG, VR. Members of Hong Kong Amateur Radio Transmitting Society (HARTS) will be active with special call sign VR2HK9O in celebration of the 90th anniversary of their Society. Operations have been on 20 SSB. QSL via VR2HK direct or by the Bureau.

CAMBODIA, XU7. Tad, JA1DFK will be active as XU7AKU and XU7AKV from Phnom Penh. Activity will be on 160 to 6M using mostly CW and SSB. QSL via JA1DXA or ClubLog's OQRS.

DENMARK, OZ. OZ200EM is on the air until the **end of the year (2020 – ed)**, honoring the memory of Hans Christian Orsted, who discovered the principle of electromagnetism 200 years ago. QSL via OZ1ACB.

CHATHAM ISLANDS, ZL7. Stuart, ZL3STU has moved to Canterbury on the Chatham Islands (OC-038) & uses call ZL7STU on 80 to 6M using SSB and FT8. (Listed July 2020 – ed) QSL for both calls via M0OXO.

SARDINIA, IS0. Gil, IZ2DLV will be active holiday style **until August 28** signing IS0/IZ2DLV on 60 to 15M using SSB, CW and FT8. QSL via IZ2DLV (d/B), ClubLog, LoTW.

FINLAND, OH. Operators Vesa, OH5MNH, Orvo, OH5NE and SWL Aki plan to operate OH5B during the International Lighthouse/Lightship Weekend (ILLW), **August 22 and 23** from the Luovukkaluoto lighthouse in Southern Carelia. QSL via OH5AB.

BALEARIC ISLANDS, EA6. Rolf, DL8AZ will be operating holiday style as EA6/DL8AZ **until August 17**, on 40 - 10M SSB. QSL via DL8AZ either direct or to the DARC QSL bureau.

BONAIRE, PJ4. PJ4TEN is a special event station **during October** for the 10th anniversary of 10-10-10, the date the Netherlands Antilles was dissolved and Bonaire became a special municipality of the Netherlands and a new DXCC entity. QSL via M0URX direct, OQRS, or LoTW.

GREECE, SV. SV1AHH and SV1GGF will be QRV as SX1AFM **from Sept. 1 to 30**, celebrating



the 70 years of the Hellenic Air Force History Museum, on 80 to 6 using all modes. QSL via [qrz.com](http://qrz.com)

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.

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.

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/DL4API 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 #1, #3, #4 or #8.

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.

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

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)

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.

NETHERLANDS, PA. Special event station PI75VERON is QRV until the **end of 2020** to celebrate the 75th anniversary of the Dutch National Club VERON. QSL via PA1AW.

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

HUNGARY, HA. Members of the Hungarian FIRAC are QRV with special event call sign HA70MAV from Budapest **until December 1** (2020-ed) to celebrate the 70th anniversary of the Hungarian Railway. Activity is on various HF bands. QSL via LoTW.

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 #3.

**A year-long special event will honor Beethoven.** German special event station [DL250BTHVN](#) will be active **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 #1 or #3.

**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 80<sup>th</sup> 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.

LAOS, XW. Mike, XW2DX is QRV from Vientiane and is here for the next 5 years. [Listed August 2020-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

...

People often look to Buffett's wisdom when their stocks fall, and these five quotes give an overview of how Buffett feels about these situations. Smart long-term investors love when the prices of their favorite stocks fall, as it produces some of the most favorable buying opportunities.

- "Opportunities come infrequently. When it rains gold, put out the bucket, not the thimble."
- "Widespread fear is your friend as an investor because it serves up bargain purchases."
- "Whether we're talking about socks or stocks, I like buying quality merchandise when it is marked down."
- "We simply attempt to be fearful when others are greedy and to be greedy only when others are fearful."

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 =	<u>\$0.50</u>

Food Total:	\$105.50	\$ 45.25
Income: Lunch:	\$108.75	\$154.00
<u>Room Rent-To General Funds:</u>	<u>\$00.00</u>	<u>\$154.00</u>

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](http://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](mailto:AI6DF@arrl.org) or 310-544-2917

Asst. Section Manager: Mark Chung, KK6SMD

[mchung@prodigy.net](mailto:mchung@prodigy.net)

LAX Section Traffic Mngr: Kate Hutton, K6HTN

For Radiogram formatting instructions go to

[www.ARRLAX.org](http://www.ARRLAX.org) .

**RF Safety** – Power Density Web site:

[http://hintlink.com/power\\_density.htm](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:

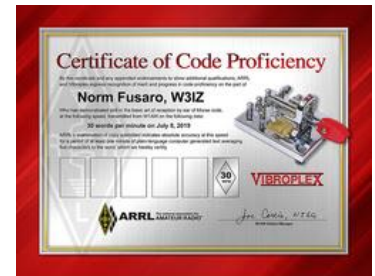
- CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 & 15 WPM
- CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 & 10 WPM
- CWb = Morse Code Bulletins = 18 WPM

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](http://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
Aug.	8/18		8/20	8/19		8/21		8/24	8/26	8/27	8/28		
Sept			9/1	9/3	9/4	9/8	9/9		9/10			9/11	9/15
Sept	9/15			9/16		9/18	9/17	9/21	9/23	9/24	9/25		



**West Coast Qualifying Runs:**

Wed Aug 26 @ 9 PM PDT (0400 UTC Aug 27) on 3590 & 7047.5 kHz; 10 to 40 WPM  
 Sat. Sept 26 @ 2 PM PDT (2100 UTC) on 3581.5, 7047.5, 14047.5 & 18097.5 kHz by K6KPH 10 – 35 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/](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:**

<b>PRESIDENT:</b>	Brian, AB6UI	President at W6HA.com
<b>VICE PRESIDENT:</b>	Howard, KE6MAK	W6HA_VicePresident at W6HA.com
<b>SECRETARY:</b>	James, W6JIC	W6HA at W6HA.com
<b>TREASURER:</b>	Paul, KK6TAC	Treasurer at W6HA.com
<b>STATION MANAGER:</b>	Mike, N6MHD	W6HAStationMgr at W6HA.com
<b>Immediate PAST PRES.:</b>	Mike, N6MDV	W6HA at W6HA.com

**Committees:**

<b>NEWSLETTER EDITOR:</b>	Dale, WB6MMQ	W6HA_Editor at W6HA.com
<b>QUARTERMASTER:</b>		
<b>WEB MASTER:</b>	Mike, N6MDV	W6HA at W6HA.com
<b>MEMBERSHIP:</b>	Dale, WB6MMQ	W6HA at W6HA.com
<b>SCRRBA REP:</b>	Ray, WA6NVL	WA6NVL at ARRL.net
<b>MEETING HOST:</b>	Dale, WB6MMQ	W6HA at W6HA
<b>Asst. Host:</b>		W6HA at W6HA
<b>FoTL Conf. Rm. Coor:</b>	Judi, KI6TKT	
<b>FIELD DAY :</b>	Mike, N6MDV, Brian, AB6UI	FieldDay at W6HA.com
<b>MEMBERSHIP:</b>	Dale, WB6MMQ	W6HA at W6HA.com
<b>NET COORDINATOR:</b>	Howard, KE6MAK	W6HA at W6HA.com
<b>YAHOO GROUPS MOD:</b>	Richard KM6FP	W6HA at W6HA.com ( <a href="http://groups.yahoo.com/w6ha">http://groups.yahoo.com/w6ha</a> )
<b>CLASS MODERATOR:</b>	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: 1<sup>st</sup> Monday of the month, 7:00 PM (0200 UTC Tuesday)**

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

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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.

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