



The Transponder



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

June 12, 2020 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVII, No. 6

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

Where: The club Repeater (See mast head for Frequency and PL)
[also on EchoLink (N6MDV-R) and Zoom (See E-mail for ID and PW)]

Location: Repeater location – “High Above LAX”

Meeting Notice: Date: Tuesday, June 16, 2020
Time: Zoom attendees may gather as early as 11:30
Roll Call, 11:45, (by suffix, list is based on prior attendance)
Meeting: 12 to 1 PM

Featured Presentation:

Field Day discussion

Up Coming Events:

Saturday, June 20, 2020 - License Exam, Reservation Required, (see article)
Saturday, June 27 & 28 – **ARRL Field Day** – Individual Ops – Aggregating QSO for Club Score
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 to 6/30/21)

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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. I believe, we get a good deal on pizza delivered to the meeting, so let them know where you’re from.

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

I have enjoyed helping the club these last two years as club president. It is now time to turn the reigns over to new leadership to continue to grow the club program.

The last two years have had a few changes. Our weekly Wednesday night club net has gone from a tenuous new start to a well attended activity. The technical content of our meetings is strong and past briefings are on the club web site. We've added echolink to access the repeater during this covid period. We relocated the club antenna trailer and equipment from lot T to temporary locations. We sold some gear that we do not need. We have had a few skills days and our training classes continue to be very well attended as we bring new Hams into the community.

I am recommending we create a new officer position of quartermaster to watch over and all the club gear. This will require a change to the by-laws, but especially given how distributed our gear has become and the wealth of gear we have, it deserves full attention from a responsible club officer.

I'd like to thank our previous officers Raul, KM6NRL, vice president; Judi, KI6TKT, secretary; Alice, KM6MFL, treasurer; and Brian, AB6UI, station manager. They have served the club well. I'd also like to thank our many committee leads that do much work behind the scenes like coordinating the races, classes, and writing the transponder.

By your vote via Survey Monkey we received an awesome 41 responses out of 60 ballots sent; we have our new leadership: Brian, AB6UI, president; Howard, KE6MAK, vice president; James W6JIC, secretary; Paul, KK6TAC, treasurer; and Mike, N6MHD, station manager. I have great expectations for this new leadership team! I am certain that we are in good hands and that the club technical program and engagement with all Hams in the Southbay will get even better. Please provide them all the support you can.

Field day is just a week away. This year we are not going to be in the park. We will be operating from home; each person using their own call sign and

reporting their scores along with the club Hughes Amateur Radio Club name so that ARRL can aggregate our individual scores into a total club score. I strongly encourage you to get on the air and make use field day as a learning experience and have some fun. Look at the club web site for more information about what the club is doing for field day.

73

Mike, N6MDV

President, Hughes Amateur Radio Club

Election of Officers for 2020 – 2021

2020 - 2021	
Office	Elected
<u>President</u>	Brian, AB6UI
<u>Vice President</u>	Howard, KE6MAK
<u>Secretary</u>	James, W6JIC
<u>Treasurer</u>	Paul, KK6TAC
<u>Station Manager</u>	Mike, N6MHD
Immediate Past Pres.	Mike, N6MDV

Committee Chairpersons

Committee Chairpersons	
Quartermaster	Mike, N6MDV
Web Master	Richard, KM6FP
Yahoo Groups	Dale, WB6MMQ
Membership	Ray, WA6NVL
SCRRBA Rep.	Judi, KI7TKT
Mtg Room Coor	Dale, WB6MMQ
Meeting Host	Dale, WB6MMQ
Newsletter Editor	Mike, N6MDV
Class Moderator	N6MDV/WB6MMQ/AB6UI
Field Day Chair	Howard, KE6MAK
Club Nets Coor.	Dale, WB6MMQ
Jet to Jetty Coor.	Dale, WB6MMQ
Sean O'B Coor.	Dale, WB6MMQ
Ray Miller Coor.	Dale, WB6MMQ
Ant. Trailer - Coor	Brian, AB6UI
Raytheon - Coor	

Technician Licensing Class – Spring 2020

Our Class coordinator, Mike, N6MDV and his Team of instructors conducted another great Technician Class for 22 future ham radio operators. This team has conducted many in-person classes during the last several years, but then Covid-19 threw a curve ball and the class planned for April had to be postponed.

Not to be deterred and along with the help of the new Zoom video conferencing software, they were able to convert to classes, taught at a distance, over the internet; a testament to the flexibility, in the face of difficulties, of ham radio operators. Many thanks to Mike and these instructors: Bob, KK6WYW; James, W6JIC; Dale, WB6MMQ; Richard, KM6FP; John, N6JLS; Ron, AC6RW; Howard, KE6MAK; Kevin, KM6RWQ; Brian, AB6IU; Tom, WA6SET.

Testing is also a problem in this time of COVID-19. So, once again, not to be deterred, our President elect, Brian, AB6UI, Along with members of the King Harbor Yacht Club's ARC have arranged for a park in Torrance large enough for the 22 examinees and five or six volunteer examiners to conduct the testing with plenty of social distancing, on Saturday, June 20. Seating and materials are limited, so a reservation is required via E-mail: HamTesting@w6ha.com.

Field Day 2020 by President, Mike, N6MDV

This year, most of us will be doing field day from home. While the ARRL field day is about getting on the air, learning, dusting off equipment, and having fun; it is also possible to score points. Points are mostly for recognition of engagement. Points are awarded based on the number of QSO contacts with different Hams on different frequency bands and different modes.

Phone contacts are worth 1 point, whereas CW or digital are worth 2 points.

Using less power makes each contact worth more. At 5 Watts (like most handheld radios) the value of each contact is multiplied by 5. While contacts made with less than 150 Watts are multiplied by 2. So a phone QSO contact on an HT is worth 5 points. If the contact is made once on 2 meters and once on 440 band, that would be 10 points for just talking to one ham.

Beyond the QSO points ARRL uses points to encourage or incentivize items that promote the

field day emergency operation and advertise Ham radio's importance. As such, it is possible to gather 500 points relatively easily; and another 200 points if you have the right equipment.

This allows those that make even just 10 contacts with a handheld to get 600 points. With the 60 people in the club, that alone would give the club a score of 36,000 points --- much higher than the typical club score of about 7000-10,000!

For those with HF rigs and solar, if they make 100 contacts they would have a score of 900 – 1100 points depending upon phone or CW/digital and assuming 100W transmitter.

Possibly the club goals for this year should be:

- 50% of members do field day and post their scores
- Aggregate points in excess of 30,000
- Participating members each try and report something new for the fun and learning experience!

Field Day Bonus Points

Bonus points add points with little additional effort, easy even for those with just a handheld
100 pt 100% Emergency power (If at home you become a class E station). Hand held battery power would be natural for this

100 pt Media Publicity - Doesn't need to be published, just submitted

100 pt Social Media facebook, twitter, ... promoting your field day activation

100 pt One Formal message to ARRL SM/SEC

100 pt Formal messages handled (10 @ 10 pts ea.)

Requires HF Receive capability (ph, cw, dig)

100 pt Copy W1AW Field Day Message

Requires solar panel to charge your batteries

100 pt Natural power QSOs completed 5 QSOs from solar power or wind.

Less likely with social distancing

100 pt Site Visit by invited elected official

100 pt Site Visit by invited served agency official
 (See Attachment for detailed bonus point rules)

ARRL Letter – Excerpts of possible interest

ARRL Contest Program Issues Field Day 2020 FAQ

The ARRL Contest Program has released some Frequently Asked Questions related to the [temporary rule waivers](#) for Field Day. On May 28, the ARRL Programs and Services Committee (PSC) adopted these provisions only for the June 27 - 28, 2020, event: (1) Class D stations may work all other Field Day stations, including other Class D stations, for points, and (2) an aggregate club score will be published, which will be the sum of all individual entries that indicate a specific club. [Contact](#) the ARRL Contest Program with any questions related to Field Day 2020.



Q: Several of our club members are going to operate independently and wish to attribute their scores to the aggregate club score. What call sign should they use?

A: Participants should use their own call signs. Except for Class C (mobile) entries, all transmitters, receivers, and antennas located within a 1,000-foot-diameter circle may operate using a single call sign. This prohibits the use of a single call sign from more than one location. Under the 2020 waiver, those operating from home, including backyard operations, must use their own station call signs. Multiple home stations operating with a club call sign or modified club call sign, such as W1AW-1, W1AW-2, W1AW-3, etc., are not allowed.

Q: How does my club submit an aggregate club score? Does the club need to add up each participating member's scores and submit a club entry with the aggregate score under the club call sign?

A: Each participant will submit his or her own independent entry under his or her call sign. ARRL will calculate the aggregate score based upon the club name entered on the official Field Day [entry form via the web applet](#) (preferred method) or on the paper Field Day entry form. In order for results to be tabulated correctly, all club participants must

enter the club's official name exactly the same, avoiding abbreviations or acronyms. This is important!

Q: Our group is still planning to operate at the usual Field Day site, but some members do not feel comfortable gathering in a large group this year. Can we still submit an entry using the club call sign, as well as have members operating from home using their own call signs?

A: Yes. If your club is still hosting a group Field Day effort, it will submit an entry as usual, using the club call sign. Club members operating at home will submit separate entries with their own call signs and will enter the club name on the entry form for club aggregate scoring.

Q: Can a club member operate from home using the club call sign?

A: Yes, but the call sign may only be used in one location. The member must receive permission from the trustee of the club call sign.

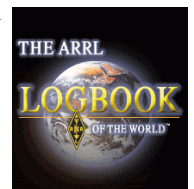
Q: Our club normally enters Field Day in Class A. If we operate from our home stations, in which class should individual members enter in order to be included in the aggregate club score?

A: Each member will operate independently and will submit the entry using whatever class applies to their operation. Typically, home stations running on commercial ac power are Class D, while home stations running on battery, solar, generator, or the like (i.e., not from ac mains) are Class E. When the results are published, each club member will be listed in the results under the class in which they operated. For 2020 only, aggregate club scores will be listed by the club name in a separate listing. Read [more](#).

Refer to the [complete rules](#) to determine eligibility for bonus points. -- *Thanks to ARRL Contest Program Manager Paul Bourque, NISFE,*

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. ...

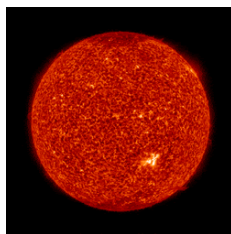
Some help is on the way. Murphy will soon release *TQSL* version 2.5.3, which, among other things, skips over the OPERATOR field check. "We have found that some of the checking performed for *TQSL* 2.5.2 was incomplete in some cases -- for example, allowing incorrect zone information to pass, and overly strict in other cases -- for example, the STATION_OWNER tag," Murphy said. "We've made great strides in improving the way logs are checked to ensure that checking is more complete while not raising false alarms."

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," ... "Those who find that their logger is out of conformance should demand an update." Read [more](#). [for complete article – ed]

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Sunspots made a solid reappearance over the June 4 - 10 reporting week, with average daily sunspot number rising from 3.3 to 14. As expected, the average 10.7-centimeter solar flux rose from 69.6 to 71.3.



The average daily planetary A index dipped from 6 to 5.1, while average daily middle latitude A index changed from 5.7 to 6.1.

The outlook for the next 45 days has solar flux at 72 on June 11; 70 on June 12 - 17; 68 on June 18 - 24; 70 on June 25 - 26; 72 on June 27 - July 11; 70

on July 12 - 13; 68 on July 14 - 21; 70 on July 22 - 23, and 72 on July 14 - 25.

Predicted planetary A index is 5 on June 11 - July 3, then 8 and 12 on July 4 - 5, and 5 on July 6 - 25.

Sunspot numbers for June 4 through 10 were 12, 13, 15, 16, 17, 14, and 11, with a mean of 14. The 10.7-centimeter flux was 70.1, 71.1, 71.6, 71.6, 71, 72.4, and 71, with a mean of 71.3. Estimated planetary A indices were 4, 4, 3, 9, 4, 5, and 7, with a mean of 5.1. The middle latitude A index was 5, 4, 2, 10, 6, 5, and 11, with a mean of 6.1.

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.

Just Ahead in Radiosports

June 13 - 14 - SKCC Weekend Sprintathon (CW)
 June 13 - 14 - GACW WWSA CW DX Contest
 June 13-14 - REF DDFM 6 Meter Cntst (CW, ph)
June 13, 15 – [ARRL June VHF Cntst \(cw, Ph Dig\)](#)
 June 15 - 4 States QRP Group 2nd Sunday Sprint (CW, ph)
 June 15 -- RSGB FT4 Contest Series
 June 16 -- SARL Youth Sprint (Phone)
 June 16 - Worldwide Sideband Activity Contest
 June 17 -- NAQCC CW Sprint
 June 17 - Phone Fray
 June 17 - CWops Mini-CWT Test
 June 11 – 21 – [11th World Castles Weekend](#)
June 27, 28 – [ARRL Field Day \(cw ph dig\)](#)
 July 1 – 7 – [13 Colonies Spcl Event \(cw ph dig\)](#)

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 Free: by former Club President Chuck, KN6H, Tower and Antennas - 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 4 - [Pennsylvania State Convention](#),

Harrisburg, Pennsylvania

July 16 - 19 - [Montana State Convention](#), Essex,
Montana

July 24 - 25 - [Oklahoma State Convention](#),
Oklahoma City, Oklahoma

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

Announcements

- The older [ARRL Magazines](#) app for Amazon Kindle was failing to display the new *QEX* and *NCJ* offerings. This problem appears to have been fixed in the [latest update](#). Kindle users may have to do a manual update. None of this affects iOS or Android users. [Held over from May-ed]
- The CWops' [CW Academy](#) (CWA) offers free, remote Morse code classes at four separate levels -- beginner through advanced, running from not knowing the code at all to reaching 25 WPM. CWops also provides a CWops Test ([CWT](#)), an hour-long event every Wednesday at 1300 and 1900 UTC, and Thursdays at 0300 UTC. -- *Thanks to The ARRL Contest Update*
- The new, 1-hour [World Wide Sideband Activity Contest](#) exchange includes age and sex, in these distinct: OM, YL, Youth YL (YYL), or Youth (Y).

Winners in the Single Operator and Single Operator Overlay categories can download certificates. Plaques will be awarded for the highest overall cumulative (1-year) score for each single operator and single operator overlay category.

In Brief...

Due to the COVID-19 pandemic and a record number of recent orders, ARRL is currently experiencing delays in the fulfillment of orders.

Combined with excessive demands on many shipping carriers, our members and customers should expect a 1 - 3 week delay in the delivery of their orders over the next few weeks. State of Connecticut safety requirements limit the number of employees allowed within the warehouse at one time to ensure their health and safety, . . .

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

ARLD024 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.

CUBA, CO. Special event station CO200SMP is QRV until June 30 to celebrate the 200th anniversary of San Miguel del Padron, one of the fifteen municipalities that make up the city of Havana. Activity is on the HF bands using CW, SSB and FT8. QSL direct to CO2AME.

ANGOLA, D2. Gabriel, D2EB, has 6 meter capabilities and may soon be active from Grid Square JI61pe. QSL via IZ3ETU.

ENGLAND, G. Members of the Chelmsford Amateur Radio Society will be QRV with special event station GB100MZX from June 13 to 20 to commemorate the first official British radio broadcast 100 years ago. QSL #2

WALES, GW. Members of Dragon ARC are QRV from special event station GB0MZX **until June**

21st to commemorate the 1st official British radio broadcast 100 years ago. QSL #2

JAPAN, JA. Katsu, JR7AMZ is QRV from Oshima, IOTA AS-206. Activity is on the HF bands using mostly FT8. [Listed **June 2020**-ed] QSL via JA7ZRY.

SVALBARD, JW. Bjorn, LA5NUA and Jurn, LA5LUA are QRV as JW5NUA and JW5LUA, respectively. QSL #2

BRAZIL, PY. Members of the Clube de Radio-amadores de Sao Miguel do Oeste are QRV with special call ZZ60CRASMO **during June** to celebrate the club's 60th anniversary. QSL direct to PP5DZ.

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

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

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

AUSTRALIA, VK. Members of the Wireless Institute of Australia are QRV with special call VII10WIA **until the end of 2020** to celebrate the club's 110th anniversary. Activity is on the HF bands. QSL via LoTW.

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

CAYMAN ISLANDS, ZF. Frank, KK5XX is QRV as ZF2FD from Grand Cayman, IOTA NA-016, **until June 17**. Activity is holiday style on 80, 40 and 20M using CW and SSB. QSL #1

SINGAPORE, 9V. 9V1STAYHOME will be active until **June 30**. QSL via LoTW only.

THAILAND, HS. Members of the Radio Amateur

Society of Thailand (RAST) will be active as E2STAYHOME **until July 15**. QSL via E21EIC (d/B), LoTW or ClubLog.

KENYA, 5Z. Members of the Radio Society of Kenya (RSK) are joining the COVID-19 effort with the call sign 5Z4STAYHOME. QSL #3

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.

CANADA, VE. Jean, VE2JCW will use special call sign VE2SPEED, **through the month of June** to commemorate the Montreal Grand Prix, even if the race is canceled. QSL via VE2JCW info on QRZ.com.

COLOMBIA, 5J. 5JSTAYHOME is the latest COVID-19 special event station from Colombia. 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.

GERMANY, DL. Station DL70IPA will be QRV as part of the 70th anniversary of the International Police Association. IPARC, the IPA Radio Club, plans various operations in **August & November**.

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

ZAMBIA, 9J. Mario, IK1MYT is QRV as 9J2MYT from Lusaka until **June 2020**. Activity is on 40, 20, 15 and 10 meters. QSL #1

CANADA, VE. Special event station VX3X is QRV **until June 30** to commemorate the Apollo 13 space mission. QSL direct to VE3IKV.

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.

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.

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.

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 Cerklno 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 8JOK 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
<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) [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-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, 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 (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

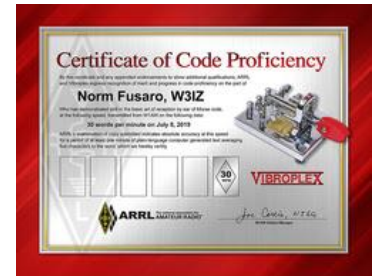
Frequencies (MHz)

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 Feb. & Mar.- 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
June		6/19	6/18	6/17	6/24	6/25		6/22			6/26		
July		7/6	7/7	7/9	7/10	7/14	7/15		7/16			7/7	
July	7/21		7/23	7/22		7/24		7/27	7/29	7/30	7/31		

West Coast Qualifying Runs:

Sat June 20 @ 2:00 PM PDT (2100 UTC) on 3581.5, 7047.5, 14047.5 & 18097.5 kHz by K6KPH 10 – 35 WPM

Tues July 28 @ 6 PM HST (0400 UTC July 29) on 7047.5 & 14047.5 kHz by KH6TU 40 – 10 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.

2018 – 2019 CLUB OFFICERS**Elected Officers:**

PRESIDENT:	Mike, N6MDV	President at W6HA.com
VICE PRESIDENT:	Raul, KM6NRL	W6HA_VicePresident at W6HA.com
SECRETARY:	Judi, KI6TKT	W6HA at W6HA.com
TREASURER:	Alice, KK6MFL	Treasurer at W6HA.com
STATION MANAGER:	Brian, AB6UI	W6HASTationMgr at W6HA.com
Immediate PAST PRES.:	Dale, WB6MMQ	W6HA at W6HA.com

Committees:

NEWSLETTER EDITOR:	Dale, WB6MMQ	W6HA_Editor 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:	Howard, KE6MAK	W6HA at W6HA
FIELD DAY :	Mike, Dale, Raul, Richard	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 Coordinators:

CLUB REPEATER: W6HA/R 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) – Test act8 May & June, 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.
