



The Transponder



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

May 15, 2020 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVII, No. 5

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

Where: The club Repeater (See mast head for Frequency and PL)
(also on EchoLink and Zoom)

Location: Repeater location – “High Above LAX”

Meeting Notice: Date: Tuesday, May 15, 2020;
Time: Roll Call, 11:45, (by suffix, based on prior attendance)
Meeting: 12 to 1 PM

Featured Presentation:

Nominations of Officers is Open (Election after meeting via Survey Monkey)
Field Day discussion

Up Coming Events:

Technician Class: Tentatively moved to Saturdays, June 6 and 13

Saturday, June 27 & 28 – [ARRL Field Day](#) – Hoppkin’s Wilderness Park, Redondo Beach
(Or likely, just you & me in our own backyards)

Inside:	page
Club News - - - - -	2
Election of Officers News-- - - - - -	3
Candidate’s Bios - - - - -	5
ARRL Letter – excerpts of possible interest - - - - -	7
K7RA Solar Update - - - - -	10
Just Ahead in Radio Sport - - - - -	10
For Sale – Free – 60 ft. Tower, Rotor & Antennas - - - - -	10
ARRL Section, State and Division Conventions / Hamfest - - -	11
Select DX News - - - - -	12
Amateur Radio Licensing Exams & LAX Section officers - - -	16
WIAW Schedule – Qualifying Runs & SKCC info- - - - -	17
Club Officers & Info - - - - -	18

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**

Despite recent challenges, the club is doing well! Our weekly Wednesday evening nets on the club repeater at 7:30PM and simplex 146.550 immediately afterwards continue to be well attended. Recently we added the ability to link to the repeater via echolink (N6MDV-R) for those who do not have a good RF path to the club repeater. If you haven't tried echolink, this would be a good time to download the software, get registered and attend the Wednesday nets plus club meetings that way. You can use a smartphone, PC, or Mac to connect to echolink; your transmissions will be sent over the air via the repeater. Just one more way we try to keep club activities growing.

Since the library has been closed, we have been holding our monthly club meetings via zoom, repeater, and echolink. Our last meeting was very well attended, if I recall 26 people attended. Our next club meeting will also be by those means of communication. As Hams, when all else fails, we still keep our communication going!

At the May meeting, we will discuss the selection of next year's club officers and Field Day. A vibrant club program benefits from periodic change of leadership; as each new officer brings renewed energy, skills, and fresh ideas. The nomination committee has proposed candidates for the jobs; however, nominations are still being accepted. You can nominate yourself or someone you think would provide that fresh leadership. I encourage each of you to think about how you might serve this next year in the club or in upcoming years to keep our program growing and relevant. The actual elections this year will be done via survey monkey after the May meeting – anonymous voting without physical presence; watch for an email invite for the survey.

Field Day 2020 from the President

Field Day 2020 is going to be extraordinary! ARRL has offered some thoughts about how field day may be done while maintaining social distancing. I've been able to clarify with ARRL HQ that you can operate as a class 1B station from your backyard as long as you meet the emergency communications intent of field day. Our web site

has details of what you might need to do.

Alternately, if you operate your home station you would be a class 1D. Or you could unplug from the wall, use batteries, solar, or generator and become a 1E home station. This meets the intent of field day emergency communication and has the benefit of minimal work by using your existing antennas and station setup.

For those of you who don't have an HF or 6 meter radio, you can still do field day with your handheld or mobile car radio. Personally, my wife, K6VHY, and I are going to ensure that our CX-333 VHF/UHF antenna and radio will be operating as a 1E (K6VHY) since our QTH has a good shot at much of the LA basin on VHF and UHF. We should also be able to accept or relay NTS messages – so you can get an extra 200 points that way. In addition, for more fun I'll be running a 1B station (N6MDV) in the backyard on HF using phone, CW, and digital modes with tent, batteries, solar, and custom field day antennas. Please plan on doing field day and reporting your results with the club *Hughes Amateur Radio Club* name on your submission. That way when the results are published we should see dozens of Hughes club stations on the air.

The club is still exploring whether we can get our 55' tower and radios on the air. A tentative location has been identified. Procedures for being on site or using remote control are being explored. This will be an awesome way to maintain our club's continuity of operation on field day as a group. Details to follow.

We are also exploring how we might keep an open zoom session and the repeater available to provide some of the social camaraderie while we all operate from home rather than at the park... both for fun and mentoring.

Let's all use field day as a great opportunity to hone our equipment and operating skills... and *HAVE FUN!*

“I am in favor of cutting taxes under any circumstances and for any excuse, for any reason, whenever it is possible.”

... Milton Friedman

Election of Officers for 2020 – 2021

The planning for this year’s election is running a little late. The nominating committee should have submitted a slate to the Board a month ago and it should have been published in last months Transponder. So an EXTRA issue of the Transponder was sent out last month.

The Nominating Committee submitted a slate with at least one candidate for each of the elected offices to the Board. The Board accepted the slate and followed up with some suggestions, of their own. There is a change for ‘Secretary’ since then. The result appears below.

2019 - 2020	Slate for 2020 - 2021
Current Officers	Nominees
<u>President</u> Mike, N6MDV	<u>President</u> Brian, AB6UI Bob, KK6WYW
<u>Vice President</u> Raul, KM6NRL	<u>Vice President</u> John, N6JLS Howard, KE6MAK
<u>Secretary</u> Judi, KI6TKT	<u>Secretary</u> James, W6JIC
<u>Treasurer</u> Alice, KK6MFL	<u>Treasurer</u> Paul, KK6TAC
<u>Station Manager</u> Brian, AB6UI	<u>Station Manager</u> Mike, N6MHD
Immediate Past Pres. Dale, WB6MMQ	Immediate Past Pres. Mike, N6MDV

Nominations from the Floor (the membership):
NOW, NOMINATIONS from the ‘Floor’ have been **OPEN** since the Extra issue, and will remain open until the end of the May meeting.

Self nomination is allowed, or if you think another person is a good (and willing) candidate, you may contact the nominating committee or anyone on the Board (see last page) to make a nomination. (Nominating Committee Chair is the Past President)

We think it is healthy for the Club to have some changes in the Board from, year to year, so that it remains fresh and also, so that the volunteer officers do not feel that they have made a lifetime commitment. Please, if you have a nomination, yourself or another, please do it before the meeting.

Voting will be via the internet. Mike will use ‘Survey Monkey’ to enable voting. He plans to keep it open for

several days. The specific period may be indicated at the May MOTA.

VOTING & Voting Requirements

To vote in the Club’s election, you need to be a paid up member. The By-Laws say that when we vote at a meeting (as before Covid-19) that a Quorum of 25% of the Members in Good Standing (Dues Paid up) must be present for the election to proceed. It also states that all voters must be present at the meeting – No Absentee Ballots or Proxies allowed. We think, that for the election to be valid, at least 25% of the membership should have voted.

The Plan for Voting:

So the plan is to use the internet and an application called, ‘Survey Monkey’ to enable you to perform your voting Right and Duty. But who do we send the Survey Monkey Link to?

Paid-Up Members: (The devil is in the details.) Well, Paid Up members, in Good Standing, of course. Hmm. Well, we don’t send out a bill or invoice for dues payment. And we have not made it a practice to send dun notices, if we think that you have NOT paid your dues. Since there is no cost to sending out meeting notices and the Transponder, it goes to many former and non-member hams, even one in a foreign country.

Accuracy of Paid Up Dues file:

Last Summer and Fall, I was planning a family reunion in August and a sailing trip in September and missed both the September and October meetings. It’s likely that some payments at that time did not get recorded in the membership records I have. So, I have a list of five (5) or so Extra Class hams, that are also ARRL members, that it seems likely did pay their dues, but it was somehow not recorded or was recorded but is not now retrievable. I will e-mail those members.

As I said, the devil is in the details. So, additionally, if anyone is uncertain of their paid up status, for this year (*you would have to have paid your dues on or after June 2019, or if you were new member, last year, any time on or after January 1st, 2019*) please give me a call (or text) (213-285-9407, cell; or 310-641-8403 home, takes a message) or send an E-mail to: (WB6MMQ@ARRL.net). I will tell you what I have in the membership records, for this year.

If you know that you have NOT paid this year, but want to vote, send me an E-mail or call, stating that, "The Check is In The Mail," and I'll put you on the paid up and voting list.

You should do this not later than Sunday or Monday, Noon latest, (phone or E-mail, that is) so we have time to get the list of voters updated prior to the meeting. (I'll trust that the check will arrive.) (My address for the check: 8028 Cowan Ave., Westchester, Ca 90045)

Thanks for your patience in this matter.

Membership Dues – Coming Attractions

Our Web Master, Mike, N6MDV, is setting up the web site with a Member's only section. The list of members will be available there and he plans to try and make it so that a member will be able to check to see if his or her dues are paid up for the current year. As I said, Coming Attractions, but not currently available.

Committee Chairpersons

There are a number of standing committees that are instrumental in the functioning of the club. As they say, 'Many Hands Make Light Work.' This time around, there are a couple of new committees.

(See the last page for last year's committees.)

With the loss of our storage container, our club's equipment has been distributed to several member's garages, backyards and storage bins.

QUARTERMASTER: Hence, Quartermaster is a new committee. His (or their) task is to be proactive in seeing to it that we have an up to date list (inventory) of all of the club's equipment, its location and condition. We are currently still looking for that (or those) volunteer(s).

LIBRARY COORDINATOR: The Library's Friends of the Library (FoTL) Conference Room (Our Regular meeting place).

Last year, as many of you are aware, the Library's procedure for reserving the FoTL Conference Room changed. Now the person enabling that must be an El Segundo resident.

So the Library Coordinator Committee was formed. This person sets up our meeting room reservations via the new On-Line El Segundo Reservation System. I understand that, as with the prior system, meetings can be reserved up to three (3) months in advance. However, the library's programs (and the city of El Segundo), take

priority, should there be a conflict, so we still may be bumped on occasion.

RTN COORDINATOR:

There was an RTN Lot 'T' Coordinator, but lot 'T' (along with our container), is gone. There is still the ham shack in E1, Lobby D and the Repeater on the property. So, the committee is renamed the RTN coordinator. There are a couple of candidates for this, but a name has not yet been confirmed.

The new list of Committee Chairs is shown below. Those positions are not elected, but are appointed by the president. The nominating committee, chaired by the Immediate Past President, checks to see if existing chairpersons are willing to go forward, or if a change is required, and tries to find a replacement, for the coming year, as required. If you have an interest in one of these Chairmanships, let the Nominating Committee, Board or President know. (Again, see the last page of the Transponder.)

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

"Since a politician never believes what he says, he is surprised when others believe him."

... Charles de Gaulle

Candidate Bios

Bob, KK6WYW

I'm Bob, KK6WYW and would like to be your HARC president this year. Along with the help of the Vice President, I would like to arrange for fun and informative topics for our radio club. We'll continue to have meetings with zoom, and at the El Segundo library, when things return to normal.

I think our club should have a mix of events, to include presentations and activities that appeal to both seasoned and new amateur radio enthusiasts. I welcome presentation from members of the club and from outside the club. I welcome inputs and topics our club members are interested in.

I received my Tech license in Oct 2015, and my General license in Feb 2017. I live in Manhattan Beach. I'm familiar with echolink, winlink, FT8, APRS and PSK Reporter. I've used WebSDR.org and listen to Ham Nation on occasion. I'm a regular member of the club, and Wednesday HARC net calls. I'm also the secretary of the Aerospace Amateur Radio Club, a member of the El Segundo Amateur Radio Group (ESARG), and a member of the TRW Amateur Radio Club.

Thank you for your consideration and your vote.

73, KK6WYW

W. Brian, AB6UI

Please consider this a brief description of my background, education and clubs and organizations I am involved with.

Education:

- I graduated from Cal State Long Beach Cal State Long Beach with a degree in Electrical Engineering

Work Experience:

- Hughes Aircraft/Raytheon for 33 years. Retired 2013
- Currently the "technical guru" for the Innovators Club at Waterfront Education

Below is a list of clubs and organizations I have experience with:

- First licensed in 1983. Currently hold an Extra Class license
- Accredited Volunteer Examiner with both ARRL and W5YI

- President "emeritus" of the Hughes ARC (1991-1996)
- Station Manager/Trustee for the Hughes ARC
- 1994 St. Bernard High School SAREX contact team Lead.
 - Space Shuttle Endeavor STS-59.
- Currently involved with ARISS (Amateur Radio on the International Space Station)
 - List of recent contacts:
 - LA Academy Middle School
 - Mendez Middle School
 - Santa Barbara Public Library
 - USC Young Scientists
- Technical Mentor for the Compton College STEM team
 - High Altitude Balloon experiments
 - High Power rocketry electronic/telemetry payloads
- Guest Speaker at schools and public events on ham radio topics - List of recent:
 - Sea Shore Elementary School
 - TRW
 - PV Amateur Radio Club
 - Satellite Educators Conference
 - SeaPAC Ham Radio Convention (canceled due to Covid-19)

Mission Statement:

- Continue to build club membership:
 - Ham radio license classes
 - Weekly Nets, Skills Days
 - Field Day, Jamboree on the Air (JOTA)
 - Interesting & informative Guest Speakers/presentations at Monthly meetings
- Support for the community:
 - Continue to provide communication support for Races and EOCs in the South Bay
 - SOB50/50, Jet to Jetty, etc.
 - Continued involvement with ARISS
 - Provide presentations at schools and public events
- Vision:
 - Obtain Non-Profit (501-c7) status
 - Appoint a delegate to the LA Area Council of Amateur Radio Clubs (LAACARC)
 - I would like to see the club move into the 21st century of ham radio building on our strong foundation exploring cutting edge digital modes such as C4FM and MESH networks.

John, N6JLS

I am John, N6JLS and have been nominated for the office of Vice-President. While interested in amateur radio since my high school days I did not become a ham until the mid-1980s when I went to work for TRW (now Northrop Grumman). Morse code was the stumbling block and it remains to this day. Fortunately, I got into a class with an excellent pair of teachers, a husband and wife team (I wish I could remember their names), that got me through the Morse code test. Originally KB6BWW I dropped that like a hot rock when I was monikered with Big Woolly Worms (which, interestingly enough, is easier to say than Bee Double You Double You). Over the years I have been the newsletter editor for the Crosstalk, the TRWARC newsletter, have been the club president of the TRW and McDonnell-Douglas ARCs and was the District Communications Officer for the Lennox District of the LA County Disaster Communications Service. I have been active mainly in public service (supporting local races and parades for traffic control) and exclusively on VHF and UHF frequencies. I have been enjoying retirement for almost 7 years and I must warn you that when this virus thing is over and we can travel again I will be spending my summers in Europe, missing Field Day. Best 73, November 6 Jolly Little Southpaw.

Howard, KE6MAK

First licensed as Technician in 1993 and currently General class.

I first joined HARC shortly after receiving my tech license and had a fun time, especially on Field Day. Well, sometimes life happens and after some absence I have returned a few years ago - as a General this time.

Starting as a Tech, my activity was V/UHF and really took off when I discovered 6 Meter sideband. I would often go to hilltops and activate, less noise and height advantage vs city. Those were the days of better propagation and 10 watts and a dipole were quite effective. I also developed an interest in building antennas, including a collinear UHF vertical that worked quite well and a 70cm Quagi that allowed me to hit our repeater from Rand Mountain on 5 watts. I am now mostly operating HF, and the antenna bug stayed with me with my current interest being end-fed half wave

antennas, and shortened for urban use. I have also dabbled into light kit building with an MBITX 80-10M QRP rig for SSB/CW. I still enjoy portable operations and try to get in at least one a year in the Cedar Mountain area of Utah. I casually operate in Contests and always enjoy Special Event stations. The one thing I did do with Ham radio that surprised some was to install a QRP radio on two different platforms.....a Walker and a Wheelchair! Both worked and both were real use tested. WHY? Not all Hams are fully able bodied and having access to both I wanted to see if and how it could be done.

As I participate with our club, I sometimes wonder, "What could I do to help keep the club going?" Well, this is my answer – becoming a Board Member, in this case Vice President. What I would like to do is share with you some of my thoughts on what I can bring to the table.

1. First and foremost responsibility is meeting content. Some areas that I see as ripe for learning from others are:
 - a. Moving from learning about digital to actual equipment setup on a deeper level than we have done
 - b. Ionosphere health projections, what's in store for radio – will look for expertise from JPL
 - c. Possible radio related and relevant to know topics e.g. Emergency Response
 - d. Operating Events – yes, planned group activations done for mere sake of fun. Plan during part of one meeting with results presented at next meeting
2. As mentioned above, I would like to see more Club operating events – whether as small groups or club as a whole. Perhaps one each quarter with 2 of them timed for the V/UHF Contests which will also stimulate participation with our newly licensed Technician members.
3. We should continue our Educational and Testing program and I have a couple ideas that may help the Club go forward with this.
4. I see our Club as one in which we have brought together by a common hobby and there is a definite Social value to our existence as well. That is a strong reason I support increased operating activities, and done in a manner that is not

burdensome.

I hope this gives you a better idea of what my vision is and hope that you share some of them as well.

James, W6JIC

I would like to take on the role of W6HA Secretary to better serve the club community, be more active with my license, and improve my knowledge and understanding of the activities and technologies of relevance to HAM.

I am a lifelong tinkerer and software engineer. I have served as an Innovation Advocate at Raytheon for the past five years championing advanced technologies. It was through this role that I came to know many members of the Hughes Amateur Radio Club and how I came to earn my Technician license (W6JIC as of 11/2017) and join W6HA. I have also helped to introduce software defined radio hardware to the Innovation Centers (engineering experimentation and learning spaces), brought in speakers on various related technologies, and assisted in the maintenance of the E1 HAM Shack.

I am a father of two young children, a technology enthusiast with a particular interest in virtual and augmented reality, an avid reader (especially science fiction), and an active member of the community at Raytheon (very involved in learning, diversity, and inclusion!).

ARRL Letter – Excerpts of possible interest

ARRL Announces New Life 70+ Membership

The ARRL Board of Directors recently voted to create a special Life Membership opportunity for individuals who are at least 70 years old. Starting on June 1, the Life 70+ Membership will be available to individuals who have turned 70 and have a combined 25 years of paid annual ARRL membership.



Life 70+ Members receive all benefits of an annual membership, including their choice of print magazine delivery (*QST* or *On the Air*), and digital access to these publications, . . . each Life 70+

Member will receive a Life Member pin, a window decal and may purchase an exclusive Life Member plaque.

So no worries about future dues increases . . .

To apply for Life 70+ membership, individuals must complete the special Life 70+ Member application -- available on June 1 -- and submit proof of date of birth, if this information is not already on file with ARRL. The Life 70+ membership fee must be made in a single payment. Past membership dues payments will not apply toward Life 70+ Membership, but a credit will be applied for applicants who paid their dues in full between April 1 and May 31, 2020.

Life 70+ Membership Dues Rates

\$750 US Life 70+ Membership

\$750 International Digital Life 70+ Membership

\$1,515 International Life 70+ Membership with a Print Subscription

\$250 Family Life 70+ Membership as an add-on to a paid Life 70+ membership

Life 70+ [membership applications](#) will be available for download beginning on June 1.

New WSJT-X Beta Version Offers Significant FT4 and FT8 Upgrades

A new beta version of the *WSJT-X* software suite has been released, which includes the first updates to the popular FT8 and FT4 protocols since last fall. Co-Developer Joe Taylor, K1JT, said the "candidate release" *WSJT-X* version 2.2.0-rc1 incorporates significant program upgrades to FT8, FT4, and other protocols. The beta version will be valid for a month.



"This candidate release is your first chance to test the new features and provide feedback to the *WSJT* Development Group," Taylor advised. A list of program changes since *WSJT-X* 2.1.2 is available in the cumulative [Release Notes](#) and in the updates *WSJT-X* 2.2.0 [User Guide](#).

The latest beta version corrects bugs that prevented AP decoding and/or multi-pass decoding in some

circumstances. The algorithm for AP decoding has been improved and extended. FT8 decoding is now spread over three intervals -- starting at 11.8 seconds into a receive sequence -- typically yielding around 85% of the possible decodes for the sequence. "You, therefore, see most decodes much earlier than before," the *Release Notes* explain. A second processing step starts at 13.5 seconds, and a final step at 14.7 seconds.

"Overall decoding yield on crowded bands is improved by 10% or more," the *Release Notes* say, although systems with receive latency greater than 0.2 seconds will experience smaller improvements, even while seeing many decodes sooner.

Other changes:

- The "contest mode" FT4 protocol always uses "RR73" for the TX4 message.
- The status bar now displays the number of decodes in the most recent receive sequence.

Release candidate *WSJT-X* 2.2.0-rc1 will be available for 1 month (starting on May 10). A general availability release of *WSJT-X* 2.2.0 is anticipated for June 1.

Installation packages for Windows, Linux, and Macintosh are available on the [WSJT-X Development Group](#) page. Scroll down to "Candidate release: *WSJT-X* 2.2.0-rc1." The packages are also available from [SourceForge](#).

The *WSJT-X* Development Group request those using the new beta version of *WSJT-X* to alert the developers and to report any bugs or improvements they have implemented, using [instructions](#) included in the *User Guide*. Read [more](#).

ARISS Sets Second Test of New Multipoint Telebridge Contact System

Amateur Radio on the International Space Station ([ARISS](#)) is hoping to refine its new Multipoint Telebridge Contact via Amateur Radio system for handling scheduled ham radio contacts between International Space Station crew members and schools or organizations on Earth. On May 15 at 1510 UTC, it will conduct



a second test of the new protocol by connecting students in Alberta, Canada, with an astronaut on the ISS.

The COVID-19 pandemic eliminated conventional opportunities for ARISS contacts that typically involved large numbers of students and faculty gathering at a school or educational institution for the event.

The ARISS multipoint telebridge system works around the issue by employing distance learning *within* distance learning, as many schools around the world have gone over to conducting classes remotely via teleconferencing, and students are physically separated.

Under the multipoint telebridge concept, an amateur station in the footprint of a space station pass at the time a contact has been scheduled serves as an Earth station, making direct contact with NA1SS onboard the ISS. A telebridge network then delivers two-way audio from the Earth station to each student taking part in the contact. For the May 15 contact, John Sygo, ZS6JON, near Johannesburg, South Africa, will operate the Earth station.

The students' families, faculty members, and even members of the public will be able to listen in as each student at Airdrie Space Science Club in Alberta -- a youth model rocket building and astronomy club -- takes a turn asking a question of astronaut Chris Cassidy, KF5KDR. One question on the list: "How has the COVID-19 pandemic affected you while you are in space?"

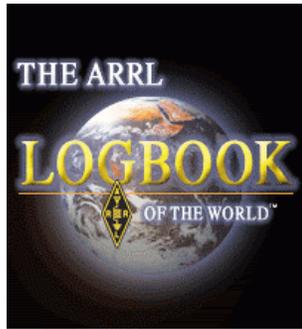
Brian Jackson, VE6BJJ, is a club leader. "During this pandemic, our opportunities to develop kids' interest in space have been interrupted," Jackson said. "This ARISS contact gets them looking back up, towards the sky, and imagining themselves as an astronaut one day."

Members of the public may view a [livestream](#) of the contact via YouTube.

[ARISS](#) is a cooperative venture of international amateur radio societies, including ARRL and AMSAT in the US, and space agencies around the world that support the International Space Station.

Greater LoTW Database Accuracy is the Goal of *TQSL* Update(s)

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. This has prompted questions and concerns, however, when the system fails to accept a user's uploaded contact or log.

ADIF exists precisely to help ensure the accuracy of "data interchange" among amateur radio applications -- different logging programs, for example. *TQSL* uses ADIF file data for cross-checks that help to keep inaccurate or incomplete information from contaminating the LoTW database, and that's where some user issues have arisen. For example, the OPERATOR field, which should be a call sign, sometimes shows up as a name. Occasionally, operators have reversed their ITU and CQ zones. Another issue is in the MY_STATE field, which should show a US Postal Service two-letter state abbreviation. Anything else is a problem.

"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. "It's important to make sure that when a ham submits a log to LoTW that the content of that log accurately captures the details."

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. *TQSL* 2.5.2 has offered support for operations from several locations, as well as the ability to detect uploads that contain incorrect location data.

"Operators have a right to insist that the logging applications they use conform to the standards agreed upon by the ADIF collective," said Greg Widin, K0GW, the chair of the ARRL LoTW Committee. "Those who find that their logger is out of conformance should demand an update." Read [more](#).

Socially Distanced In-Person Exam Sessions Held in US and Norway

With some states starting to relax restrictions on events and activities, the Grant County, Oregon, Amateur Radio Emergency Service (ARES®) held an in-person exam session on April 26 in the town of John Day that adhered to social distancing recommendations. Exam organizers held the gathering to within Oregon's 10-person limit for gatherings, keeping everyone 6 feet apart and requiring all participants to wear face masks. The exam session was held outdoors under a car port.



"We had an exceptionally successful test session, with candidates passing exams at every amateur radio level," said Ed Elleson, AF7YX, the ARRL Volunteer Examiner Liaison for the Grant County Amateur Radio Club. Grant County Emergency Coordinator Steve Fletcher, K7AA, noted that many clubs had canceled their planned sessions due to the coronavirus pandemic. "Grant County decided to approach the problem by obeying all the restrictions but still holding the exam," he said. "As a result, we had people come here from all over the state."

In Oklahoma, the Mid-Del Amateur Radio Club, W5MWC, administered an open-air exam session

on April 25 that held to social distancing guidelines. Over the course of the 3-hour session, 16 candidates tested and all were successful. One candidate passed all three exam elements to come away with his Amateur Extra-class license.

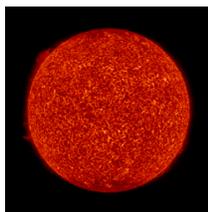
Another open-air amateur exam session took place recently in Norway. The LA3F radio amateur club south of Oslo had just completed its annual course for prospective radio amateurs, and three candidates were ready to take their exam when Norway began shutting down activities and gatherings due to the coronavirus pandemic.

Not to be deterred, International Amateur Radio Union Vice President Ole Garpestad, LA2RR, arranged with Norwegian regulatory authorities to hold an outdoor exam session compatible with the social distancing and other safety guidelines in place. Garpestad met with the three candidates in the forest outside a local scout cottage, and, with candidates seated at tables at least 5 meters (about 16 feet) apart, he administered the exam. With the temperature at around 10 °C (about 50 °F), everyone dressed warmly. Garpestad reported that all three candidates passed, and LA5EUA, LB8QI, and LB8RI were welcomed to the world of amateur radio. — *Thanks to Steve Fletcher, K7AA, and Don Beattie, G3BJ, via IARU Region 1*

Source:ARRL [Link provided by AB6UI – dgb]

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: No sunspots appeared last week. The previous 7 days had only one big sunspot group on one day, and the sunspot number was 35. Over the 7-day period, this averaged out to a sunspot number of 5, so average daily sunspot numbers declined from 5 to 0 this week. The average daily solar flux also declined, from 69.5 to 68.5.



Geomagnetic indicators were quiet, with average daily planetary A index declining from 5.1 to 4.1, and mid-latitude A index from 5 to 4.7.

Predicted solar flux is 70 on May 14 - 31; 68 on June 1 - 13, and 70 on June 14 - 27. Predicted planetary A index is 5 on May 14 - June 8; 8 on

June 9 - 10; 5 on June 11 - 13; 10 and 8 on June 14 - 15, and 5 on June 16 - 27.

Sunspot numbers for May 7 - 13 were 0, 0, 0, 0, 0, 0, and 0, with a mean of 0. The 10.7-centimeter flux was 68.7, 67.9, 71, 67.9, 66.2, 68.9, and 68.8, with a mean of 69.5. Estimated planetary A indices were 4, 4, 3, 5, 5, 4, and 4, with a mean of 5.1. Middle latitude A index was 5, 4, 3, 5, 7, 5, and 4, with a mean of 5.

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

May 16 - Feld Hell Sprint
 May 16 - UN DX Contest (CW, phone)
 May 16, 17- NZART Sangster Shield Cntst (CW)
 May 16, 17 - His Majesty King Spain Cntst, CW
 May 16, 17 - Aegean RTTY Contest
 May 16, 18 - Portuguese Navy Day Cntst (cw, ph)
 May 17 - Run for the Bacon QRP Cntst (CW)
 May 18 - RSGB FT4 Cntst Series
 May 21 - NAQCC CW Sprint
 May 21 - QRP Minimal Art Session (CW)
 May 30, 31 – [CQ WW WPX Contest, CW](#)
 June 6, 7 – [Kentucky QSO Party \(cw ph dig\)](#)
 June 13, 15 – [ARRL June VHF Cntst \(cw, Ph Dig\)](#)
 June 27, 28 – [ARRL Field Day \(cw ph dig\)](#)

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.

June 6, 7 -- [NW Division Convention](#), Seaside, Or
June 6, 7 -- [W. Penn. Section Cnvnntn](#), Prospect, Pa
June 6 -- [Georgia State Convention](#), Marietta, Ga
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.

- 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.

- 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.

- Special event P*75FREE/FREEDOM stations are marking the liberation of The Netherlands by Allied Forces, ending World War II. The Dutch celebrate the end of WW II each year on May 5. Ten different special call signs, such as PA75FREE, will be active until the end of May, sponsored by the [YNOMY DX Group](#). Awards are available.

Amateur Radio Gains Significant Boost in UK by Connecting People During Lockdown

A recent [BBC news feature](#) has outlined how ham radio has gotten a significant boost by connecting people during the COVID-19 lockdown in the UK.



Mark Rider, G3VHJ

The article, by Vanessa Pearce, quotes the Radio Society of Great Britain (RSGB) -- the UK's IARU member-society -- as saying that many former hams are now returning to the hobby. Mark Rider, G3VHJ -- a retired engineer who lives alone in North Warwickshire -- said that after the lockdown restricted his occasional trips to the pub, rehearsing with musician friends, and visiting his wife in a nursing home, he decided to dust off his ham radio equipment "to seek out some other social interaction." Rider said that ragchewing has become one of the highlights of his day. "Just speaking to somebody else in the same situation is very rewarding," he said. The 67-year-old told BBC News that keeping in touch with others has been more important since his wife suffered a stroke.

RSGB General Manager Steve Thomas, M1ACB, said the society has experienced a three-fold increase in license examination applications since social distancing rules were put into place. The UK has about 75,000 amateur licensees.

Eleven-year-old Anne-Marie Rowland, 2E0RUX, of Cornwall, worked with the Cornish Amateur Radio Club to conduct informal twice-weekly nets to help keep people in touch. "We have some regulars, but also some new people join in," she told the BBC. Her father, Bill, M0NXF, runs a net that has attracted older radio amateurs who are self-isolating, to help them feel connected.



Ann-Marie Rowland,
2E0RUX.

The RSGB recently instituted its "Get on the Air to Care" ([#GOTA2C](#)) campaign in conjunction with the National Health Service and its GB1NHS amateur station to promote amateur radio use during the pandemic lockdown. Some stations have been adding /NHS to their call signs to support the effort, which aim to support the emotional health and wellbeing of the amateur radio community.

The RSGB introduced remote administration of entry-level Foundation-class amateur radio exams in mid-April. Pete Sipple, M0PSX, told BBC News that he's seen a "massive" surge in demand for training courses and exam session and has had to up the number of course offerings.

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, . . .

Amateur radio operators affiliated with the American Red Cross will conduct a nationwide communication drill on May 30.

The drill will simulate the types of message traffic that are typical of a national disaster response, such as a hurricane or wildfire.

Hams will utilize digital modes to move a variety of Red Cross data, with special focus given to methods that do not require



infrastructure, such as a repeater or the internet.

The drill features a local option where ARES organizations can work with local Red Cross chapters to drill local and regional functionality. For more information, [contact](#) ARRL Rhode Island Section Emergency Coordinator Paul Silverzweig, W1PJS. -- *Thanks to Brian S. McDaniel, N4AE, executive director, American Red Cross of the Illinois River Valley*

Select DX News (QRV = Ready! or Are you Ready?)
ARLD020 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.

GREENLAND, OX. Bo, OZ1DJJ is QRV from Aasiaat Island (NA-134) as OX3LX, in his spare time. He will be active **until May 21**. QSL via OZ0J.

GEORGIA, 4L. Look for Vakhtang, 4L8A in the CQ WPX CW contest **May30 and 31**, on 20M, single op. QSL via M0OXO, OQRS and LoTW.

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.

GUANTANAMO BAY, KG4. Kelly, KG4NE expects to be QRV until at least **May 28**, with activity on 40 and 6 meters. QSL via LoTW,

eQSL or his home call, NM7H.

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**. Look for them on the HF bands using SSB, CW and digital modes. QSL via bureau or 9W2PD direct.

SPAIN, EA. AM40LAR celebrates the 40th anniversary of a radio program dedicated to amateur radio and broadcast by RNE Radio 4. They are QRV **until May 31**. QSL #4 or #6

ENGLAND, G. GB2CCW will be active during the **second half of May**, honoring care workers during the pandemic. QSL via eQSL only. Also, stations celebrating the end of World War II include GB0PIE, GB1PIJ and GB4VED. QSL #6.

NETHERLANDS, PA. PD75DDAY commemorates the liberation of the Netherlands during World War II. They will be QRV until the **end of May**. QSL #3

AUSTRALIA, VK. Australian amateurs may use the prefix AX on **May 17** to mark the World Telecommunication Day.

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.

STAY AT HOME SPECIAL EVENT STATIONS. The following stations join the ranks to support stay at home efforts: 6Y6STAYHOME, AU2COV, GB2CCW, HA0HOME, HA0STAY, OE1STAYHOME and SZ3STAYHOME.

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.

MOROCCO, CN. Look for 5C1WTIS to celebrate World Telecommunication and Information Society Day, **until May 17**. QSL via RW6HS.

SAUDIA ARABIA, HZ. The Saudi Amateur Radio Society will join the on air activity for World Telecommunication and Information Society Day with HZ1WTIS, **until May 17**. Also, HZ1DG is a new six meter 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**.

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.

USA, K. Special event station K7P is on the air until May 16 to remember law enforcement officers killed in the line of duty. Look for them on 40 and 20 meters. There will be a commemorative QSL card. QSL direct with SASE to N7WR.

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.

BOSNIA & HERZEGOVINA, E7. Hams here are joining STAY HOME campaign, and will be operating with special call sign E7STAYHOME **until May 31**. Ops will be on all bands & modes.

NORWAY, LN1. The Norwegian National Guard's Radio Amateur Club (LA1V) is QRV as LN1V **during all of 2020, but mainly during the month of May**, 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 the digital modes. QSL via LA4LN, either direct or via the Bureau, but no electronic QSLs.

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

SPANISH ENTITIES, EA, EA6, EA8, EA9. Spain, Balearic Islands, Canary islands and Ceuta

and Melilla will participate in **World Amateur Radio Day activities and the 95th anniversary of IARU**. Stations from Spain will be AM1WARD, AM2WARD, AM3WARD, AM4WARD, AM5WARD and AM7WARD. Ops in EA6 will use AM6WARD. AM8WARD will be QRV from EA8. AM9WARD will be used from EA9.

BRAZIL, PY. ZW8THANKS is a tribute to health care professionals fighting **COVID-19**. Look for them on all bands and modes including satellites. The operator team includes PS8TV, PS8DX, PS8CW, PS8RF, PS8ET, PS8HF, PS8NF, PS8BR, PY3YD and PT9AL. QSL via eQSL, LoTW or regular post.

PHILIPPINES, DU. Special event station DX0STAYHOME is from the Philippine Amateur Radio Association for the duration of their community quarantine. Eddie, DU1EV says, "We encourage everyone to stay home and operate their amateur radio stations."

BELARUS, EW. Station EV75F commemorates the 75 years since the end of World War II. QSL direct via EW3E or go through Club Log's OQRS.

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.

Until the End of 2020

SLOVENIA, S5. Members of Radio Club Cerknò 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

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

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 =	<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 \$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)

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 Exam Practice 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

LAX SEC : JIM STOKER AG6EF

4555 ENCINAS DR

LA CANADA FLINTRIDGE CA 9101

818 790 2832

LAX Section Traffic Mngr: Kate Hutton, K6HTN

For Radiogram formatting instructions go to

www.ARRLLAX.org .

RF Safety – Power Density Web site:

http://hintlink.com/power_density.htm

Links: TRW license test

<http://w6trw.com/index.php/amateur-radio-license-testing/>

PodCast – Amateur Radio News

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

On-Line Stores / suppliers:

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

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

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

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

<http://www.dxengineering.com>

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

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

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

ARRL <http://arrl.org>

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

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

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

HARC Past & Current Presidents

1973 Doug Erny, AK7E (former W6NPD)

1974 Orson Just, K6JGV, sk

1975, 76 Tom Rothwell, K6ZT, sk

1977 Tom McInnis, WB6ZEB, sk

1978,79 Sam Weise, W6LXR

1980 Bob Poole, AJ6F

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)

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

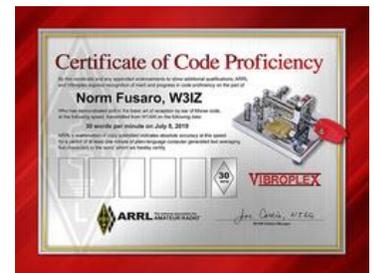
Frequencies (MHz)

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
May	5/27	5/12	5/13		5/14	5/28	5/29	5/15	5/19	5/22	5/21	5/20	
June		6/1	6/2	6/4	6/5	6/9	6/10		6/11			6/12	6/16
June		6/19	6/18	6/17	6/24	6/25		6/22			6/26		

West Coast Qualifying Runs:

Wed May 27 @ 9 PM PDT (0400 UTC, May 28) on 3590 & 7047.5 kHz by K9JM, 10 – 35 WPM
 Sat June 20 @ 2:00 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 coping 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.
