



The Transponder



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

April 18, 2020 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVII, No. 4

***** CLUB MEETING OTA (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, April 21, 2020;
Time: Roll Call, 11:45; Meeting: 12 to 1 PM

Featured Presentation:

EchoLink Briefing Bob & Mike

by Bob, KK6WYW & Mike, N6MDV

Up Coming Events:

Technician Class: ~~April 25th, May 2nd~~ – Tentatively moved to Saturdays, June 6 and 13
Preliminary April 25 (Practice 40 Minute Zoom Meetings @ 9 AM & 1 PM)

Saturday, June 27 & 28 – [ARRL Field Day](#) – Hopkin’s Wilderness Park, Redondo Beach

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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**

Mike, N6MDV

Note to Technician Class members and**Instructors:**

I regret to say that we have not found an assured way of doing the FCC license exam remotely. While some of the VECs are working on a virtual testing capability they do not have the processes, methods, tools, and documentation ready yet.

As such, we will be postponing the Ham license class (April 25 and May 2) that you registered for. I would like to defer the class by one month, making it Saturdays June 6 and 13. I expect we will still do it virtually. The extra month will give the VECs a chance to get the virtual testing option running or possibly some form of in person testing with limited exposure may be possible.

Many of you have shown great enthusiasm for getting your license and understandably so, given the sheltering requirements. As such, we would like to encourage that enthusiasm and help you prepare for your license as follows:

1) On Saturday April 25, we will hold two zoom sessions, one at 9AM and another at 1PM. This will be an open session for any of you who would like to ask questions or even just try out your zoom virtual conferencing capability. I'll send links shortly. Each session will be about 40 minutes and we will have many of the instructors attend.

2) If you would like to have answers to specific Ham radio concepts, radio technology, or rules and regulations, send me an email. We'll schedule a one on one zoom session to answer your questions.

As we schedule that zoom session, we'll also notify our other class attendees about the question and the schedule for the zoom session. It is possible they have the same question and would like to attend also.

We want to help you get your Ham license as soon as possible; self study is great preparation and the zoom mentoring sessions will help.

We continue to explore methods for getting the FCC license exam done –whether by virtual link or otherwise. We think it is important to delay the class until the testing is available, so that the material will be fresh in your mind.

Please let me know if you would like to join the Zoom sessions on April 25 and let me know of any ham related questions you may have.

Thanks

Mike, N6MDV

ARRL Letter – Excerpts of possible interest**Remotely Administered Amateur Exam Systems Showing Promise**

Facing a growing demand for amateur radio exam sessions in a time of social distancing and stay-at-home orders, sponsors of some Volunteer Examiner (VE) teams have risen to the challenge and are developing systems to remotely proctor test sessions.

"Many of our VEs and VE Teams have been working on remotely proctored exam session ideas, employing both video and in-person components -- following social distancing protocols," ARRL Volunteer Examiner Coordinator (VEC) Manager Maria Somma, AB1FM, said. "We have been receiving interesting and innovative suggestions, and we appreciate the dedication and ingenuity our examiners have shown."

"The [Spalding County Amateur Radio Club](#) in Georgia is among those that have come up with plans to remotely administer amateur exams while complying with ARRL VEC testing standards during COVID-19 stay-home mandates and social distancing guidelines. Current systems leverage Zoom video-teleconferencing technology, the "Fill & Sign" feature of Adobe PDFs, reliable email, appropriate computer equipment and internet



connection, and no volunteer examiners (VEs) present at individual remote test sites.

The Georgia club collaborated and shared ideas with the Emergency Amateur Radio Club (EARC) in Hawaii, which has successfully conducted sessions since 2011 with its own remote testing system, initially with paper exams with a proctor on site and now with fillable PDFs, with no on-site proctor.

The Georgia club obtained ARRL VEC approval to administer video-supervised exams. "We have started with testing just one candidate at a time, but are planning to ramp up to multiple candidates -- probably two or three -- simultaneously," club member David Robinson, K4WVZ, told ARRL. "Before we do that, we want a few more single sessions under our belt and a few more Video VEs trained."

The club's procedures entail a pre-exam video interview with candidates to ensure they understand all the requirements and procedures. Following the exam, the VEs score the test and sign off on the paperwork, with the VE Team Leader submitting the application online and by mail, per ARRL VEC instructions.

New England Amateur Radio Inc ([NE1AR](#)), an affiliate of New England Sci-Tech, ([NESciTech](#)), has taken it one step further, Somma said. It got the approval of ARRL VEC to begin trials of what it describes as "completely online testing with strict rules and protocols for maintaining the integrity of the testing environment." NE1AR is limiting candidates to one exam per session, due to the current candidate backlog and the "difficulty of administering exams online." Candidates must agree to a list of protocols, which include a cell-phone camera scan of the entire room and exam area "to show that there are no materials or people [in the room] that could aid in taking the exam."

"We began a series of trials on April 1 under ARRL VEC review



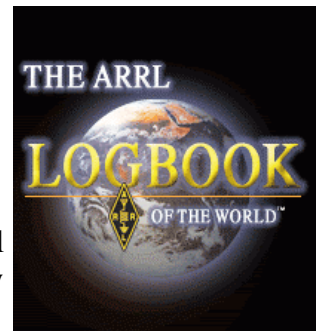
and have now been asked to help train more VE teams on the process," NE1AR President Bob Phinney, K5TEC, told ARRL. "We have now tested 12 applicants and are still working on streamlining the process. We are working with the software developer of the exam delivery system to

help them adapt the system for video-supervised testing."

With pressure continuing to build to provide testing compatible with COVID-19 guidelines and stay-home orders, ARRL VEC Manager Maria Somma has asked the amateur radio community to be patient. "Please remember that with the introduction of significant new processes such as these, that there should be proof of concept, establishment of protocols and procedures, and beta testing, before expanding to a larger audience," she said this week. Somma said video-supervised exam sessions require a different skillset than in-person exam administration, and not all teams will be equipped to deliver video exams right away. Read [more](#).

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."

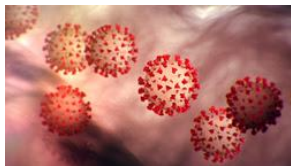
Some help is on the way. Murphy will soon release *TQSL* version 2.5.3, which, among other things, skips over the OPERATOR field check. "We have found that some of the checking performed for *TQSL* 2.5.2 was incomplete in some cases -- for example, allowing incorrect zone information to pass, and overly 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](#).

Visalia International DX Convention, Other Events, Canceled Due to Coronavirus Concerns

Concern over COVID-19 has led to the cancellation of the 2020 International DX Convention ([IDXC](#)) and of several other amateur radio-related events here and abroad. The IDXC was to be held April 24 - 26 in Visalia, California. IDXC is processing refunds.



ARRL has created a [URL](#) that will search the ARRL Hamfest and Convention Database for canceled events. [more](#).

"Team Exuberance" Aims to Lower the Average Age of Contesters

Seven of the world's top youth CW operators will convene at the western Pennsylvania superstation of Tim Duffy, K3LR, in late May, in an effort to lower the average age of contest operators -- especially CW operators. "Team Exuberance (TE)," comprised of teens and early 20-somethings,



The 2019 Team Exuberance with K3LR in the center.

gained a reputation during the CQ WPX phone event in 2019. This year, they will tackle the CQ WPX CW contest on May 30 - 31. The young operators have been raising money to minimize the cost of the adventure for the participants and their families.

"The average age of today's CW operator is 67," the group asserted. "Team Exuberance CW 2020 (TE CW 2020) is out once again to take a swing at the radiosport establishment, disprove the adage that old age and treachery will always beat youth and exuberance, and bring down the average age of the contesting community." They also want to prove "that youth contesters are legit contenders" in the radiosport arena.

Violetta Latham, KK8AT, led the first [Team Exuberance contest operation](#), which took first place in North America in the Multi-Two category, racking up a score of 22 million points and logging 5,700 contacts. The team will stick to the Multi-Two format for the WPX CW this year.

The TE CW 2020 team will include David Samu, VE7DZO; Marty Sullaway, NN1C; Philipp Springer, DK6SP; Bruce Yang, KN8U/BH4EPL; Tomi Varro, HA8RT; Mathias Acevedo, CE2LR, and Bryant Rascoll, KG5HVO.

The team has mounted a [GoFundMe campaign](#) to raise the projected \$8,000 necessary to cover airfare, hotel, transportation, and meals for the duration of the contest. Any excess funds will be donated to the David Kalter Youth DX Adventure.

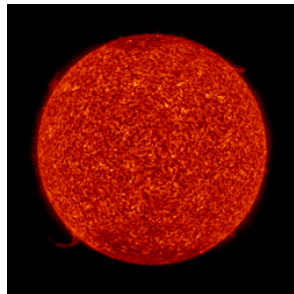
"Your donation will not only help our team achieve the goal of participating in the CQ WPX CW 2020 but also keep the momentum of bringing more youth into the hobby and ultimately bring down the average age," the team said in its pitch.

TE CW 2020 says its operators were handpicked for this contest and are all highly skilled and experienced. Varro, who is 21, was the 2014 High-Speed Telegraphy (HST) competition champion, while Yang, also 21 and a student at Georgia Tech, was the World Rookie champion for the 2019 CQ WPX CW event.

Finding skilled youth CW operators is even rarer," TE CW 2020 said in a news release. "They do [CW] because it's fun and challenging."

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Sunspots are gone again. We are at the bottom of the solar cycle, so conditions should only get better. The last sunspot disappeared on April 5, so weekly average daily sunspot numbers declined from 5.1 last week to zero this reporting week, April 9 - 15. Average daily solar flux went from 70.2 to 69.5.



Geomagnetic indicators also remain quiet, with the average daily estimated planetary A index going from 6.6 to 6.1, and mid-latitude numbers went from 5.3 to 5.

Predicted solar flux is 68 on Apr. 16 - 23; 70 on Apr. 24 - May 8; 68 on May 9 - 20, & 70 on May 21 - 30.

Predicted planetary A index is 8 on April 16 - 20; 5 on April 21 - 25; 10 on April 26 - 27; 5 on April 28 - 29; 8 on April 30; 5 on May 1 - 4; 12, 5, 8, and 8 on May 5 - 8; 5, 5, 5, and 10 on May 9 - 12; 8 on May 13 - 16; 5 on May 17 - 22; 10 on May 23 - 24; 5, 5, and 8 on May 25 - 27, and 5 on May 28 - 30.

Sunspot numbers for April 9 - 15 were 0, 0, 0, 0, 0, & 0, with a mean of 0. The 10.7-centimeter flux was 70.3, 69.2, 70.6, 70.8, 70.3, 68.9, & 68.4, with a mean of 69.5. Estimated planetary A indices were 5, 5, 6, 7, 5, 8, & 7, with a mean of 6.1. The

middle-latitude A index was 5, 4, 4, 5, 4, 7, & 6, 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

- April 20 -- Run for the Bacon QRP Contest (CW)
- April 22 -- SKCC Sprint (CW)
- April 22 -- 432 MHz Spring Sprint (CW, phone)
- April 23 -- RSGB 80-Meter Club Championship, dig
- April 25,6 -- [Florida QSO Party, CW, Ph](#)
- April 25,6 -- [10-10 International Spring Cntst, Dig](#)
- May 2, 3 -- [7th Call Area QSO Party, CW, ph](#)
- May 2, 3 -- [New England QSO Party, CW Ph, dig](#)
- May 9, 10 -- Arkansas QSO Party -- CW, Ph
- May 16, 17 -- His Majesty King SpainContst, CW
- May 30, 31 -- [CQ WW WPX Contest, CW](#)

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

All dates & times are UTC.

For Sale: by former Club President Chuck Lobb, 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:

May 15—17 Dayton Hamvention, Xenia, Ohio

May 9 - [MicroHAMS Digital Conference 2020](#), Woodinville, Washington

June 6, 7 -- [NW Division Convention](#), Seaside, Or

June 6, 7 – [W. Penn. Section Cnvntn](#), Prospect, Pa

June 6 -- [Georgia State Convention](#), Marietta, Ga

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

In Brief...

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?)
ARLD016 DX news

This week's bulletin was made possible with information provided by F6AJA, DU1EV, 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.

BOSNIA & HERZEGOVINA, E7. Hams here are joining STAY HOME campaign, and will be operating with special call sign E7STAYHOME

until **May 31**. Activity will be on all bands and modes.

TAJIKISTAN, EY. Look for EY8BS with EME operations from **April 30 to May 5** from grid MM48il.

FRANCE, TM. TM95WARD is active on all bands **until April 19** for World Amateur Radio Day. QSL via F6BEE.

SPAIN, EE1. **During the month of April**, look for special event station EE1MGY to be QRV to commemorate the inauguration and subsequent sinking of the legendary ship R. M. S. Titanic. Activity will take place on the 160 meter band only. Operations will be on CW, FT8 and WSPR. QSL via the Bureau, direct or to EB1LO.

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.

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.

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

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.

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."

UNITED NATIONS, 4U. United Nations HQ station 4U1UN was reported on F/H FT8 on 20 and 40 meters..

UGANDA, 5X. Shabu, M0KRI, ex-9U4RI, plans to be active as 5X1RI sometime **during the end of July to mid-August**.

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.

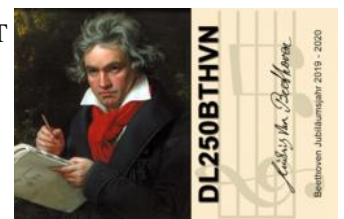
ENGLAND, G. Special call GB75PEACE will be used by RSGB members as part of VE Day and VJ Day celebrations, **May 1 to 31 and August 1 to 31**. They will be QRV on the HF bands and 6 meters using phone, CW and digital. QSL via LoTW or eQSL only, no paper QSLs.

QATAR, A7. Rasto, OM6AA is QRV as A75GR **until April 2020**. Activity has been on 80 meters. QSL via M0OXO.

Long Term: (longer than 1 month) SLOVENIA, S5. Members of Radio Club Cerkno are QRV with special event call S500E for **all of 2020** to mark half a million QSOs made from the S50E station. QSL #4.

CHATHAM ISLANDS, ZL7. Chris, ZL7DX is currently QRV on 20 and 6 meters using mostly digital modes. He plans to be active on other bands soon. [**Listed Jan 2020 – mmq**] QSL #1

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



Until the End of 2020
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.

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.

Until 2021
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

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 \$154.00</u>
	Starting - Kitty for Mar 17, 2019 Mtg:	\$154.00
	<u>[Gain of \$3.25 - \$20.00 for room rent = Loss of 16.75]</u>	

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, WA6NQQ, sk

1982, 83 Chuck, KN6H

1984 John Bennett, WD6BAI

1985 Scott Fraser, KN6F

1986, 87 Ed, K6GQV

1988 John, WA6LOD

1989, 90 John, KJ6AW

1992 Bruce, WB6ARE

1993 Rick, KD6DYN

1994

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

2000,1,2 Bruce, W6BLS

2004,5,6 Ed, N6EG

2007 - 2014 Barry, KG6NWJ

2015, 16, 17 – Dale Birmingham, WB6MMQ

2018-19 Mike, N6MDV (Current President)

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

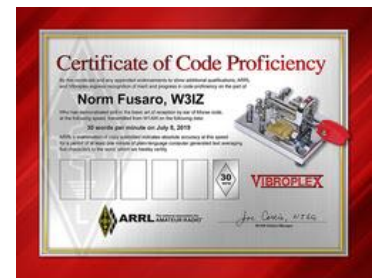
CW frequencies include code practices, Qualifying Runs and CW bulletins.
 DIGITAL = BAUDOT (45.45 baud) BPSK31 and MFSK16 in a revolving Schedule.
 Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and alternate speeds.

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
Apr.		5/4	4/23	4/22		4/24		4/27	4/29	4/30	5/5	5/7	5/8
May	5/27	5/12	5/13		5/14	5/28	5/29	5/15	5/19	5/22	5/21	5/20	



West Coast Qualifying Runs:

Wed Apr 22 @ 9 PM PDT (0400 UTC, Apr. 23) on 7047.5 & 14047.5 kHz by KH6TU, 10-40 WPM

Wed May 27 @ 9 PM PDT (0400 UTC, May 28) on 3590 & 7047.5 kHz by K9JM, 10 – 35 WPM

Earn your Code Proficiency certificate by legibly copying at least 1 minute of text by hand and mailing the sheet to: W1AW Qualifying Runs, 225 Main St., Newington, CT 06111. Include \$10 (check or money order) if this is a submission for your initial Code Proficiency certificate; \$7.50 if you are applying for an endorsement (available for speeds up to 40 wpm). Your test will be checked against the actual transmissions to determine if you have qualified.

Audio from W1AW's CW code practices, CW/digital bulletins and phone bulletin is available using EchoLink via the W1AW Conference Server named "W1AWBDCT." The monthly W1AW Qualifying Runs are presented here, also. The audio (real-time) runs concurrently with W1AW's regular transmission schedule.

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

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:	Raul, KM6NRL	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 SAS ECT:	Ken, KI6YDN,	KSIMP1022 at AOL.com
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 HF NET: HARC & Retired 14.233 Mhz, Tuesdays, 13:00 PDT – Currently Inactive

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 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.
