



# The Transponder



The monthly newsletter of the Hughes Amateur Radio Club, W6HA  
- An ARRL affiliated club -

June 14, 2019 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVI, No. 6

## Meeting Notice:

**Where:** El Segundo Library - Friends of the Library Conference Room  
**Location:** 111 Mariposa Ave (near Main Street) , El Segundo, CA 90245  
**Date:** Tuesday, June 18, 2019  
**Time:** Gather, 11:30; Meeting: 12 to 1 PM

## Featured Presentation:

**Field Day-2019**

## Up Coming Events:

**June 21 – Field Day Setup**, Location Wilderness Park, Time 9 AM – All are Welcome!  
**June 22 – 23 – ARRL Field Day** (Location - Hopkin’s Wilderness Park, Pine Campground, Redondo Beach)  
**Sept. 15 – Jet to Jetty 5/10 K Race, Dockweiler Beach**

## 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 Emergency Communication Team (ECT)**

Other So. Bay Nets: Thursdays at 7:30 PM So Bay ARC Net  
1<sup>st</sup> Mondays of the month (7:00 PM) – LAFD CERT

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**Lunch:** Pizza: 1 Large Veggi; 1 Lrg Pepperoni; 1 Lrg Special; 1 Lrg Sausage, (\$3.50/slice)  
**Prices:** 2 slices of Pizza w/salad, \$8.00; 1 slice of pizza w/salad \$5.00; Salad only \$4.00  
**Sodas:** Coke, Coke Zero & Ginger Ale (\$1.00) - Water (50 cents)

**Web Site:** [W6HA.com/w6ha](http://W6HA.com/w6ha)

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

**Club News:****The President's Message**

Just to bring everyone up to speed. Many field day prep activities are successfully underway.

Betty has the logging computers ready to go. Thanks! Michelle has set up the Social Media Facebook page. Thanks! Station captains (or field marshals as some prefer) are gathering their gear and plans. Caution tape is being acquired; Trailer is prepped - tires inflated and news release is being prepared.

A few people went to the container to sort and prepare cables, antennas, etc. Missing items (like the 2M/70cm antenna) are being gathered.

We have several generators committed. Winlink messaging is prepared. (Thanks Steve, Phil, Bob)

Our intent is to use the 3A designation which means 3 Transceivers for a Club station. In addition we get a VHF station and a Get On The Air (GOTA) station, as well, within that 3A so 5 stations total. If all are willing, we may want the VHF or 15M station to "stand-down" for certain periods of the daylight hours for use of the "3rd station" as a digital station.

KM6NRL and N6MDV have been setting up and testing digital modes for 40M and 6M. KE6MAK is exploring digital capability as well. Last report says digital is unlikely on either the 15/80M or the 20M station. However, we might be able to reuse those antenna feeds to one of our digital stations when they are not being used for phone.

FT8 is looking promising with many contacts being made this last week with only 6W of transmit power reaching all across North America. The primary issue is skill at using the mode in a congested environment. We are building that skill.

We will be looking for a few volunteers to join us at the container to load the trailer next Thursday at 2PM. We need to put the antennas and cables on the trailer and drive it to Wilderness Park. If you are able and interested in helping with this, please let me know.

Friday June 21 we will meet at Wilderness Park at 10AM to set up the stations, cabling, tents, etc. We intend to be largely set up by 3PM. At 6PM we will capture the Field Day Bulletin from W1AW,

Newington CT, via digital modes.

Saturday the field day contest starts at 11AM (1800z), however, final setup and training will start around 7 AM.

If you have any info to share about field day please use this email address [fieldday@w6ha.com](mailto:fieldday@w6ha.com).

Looking forward to a good field day and any comments you have regarding the suggested band use attachment.

73 de Mike, N6MDV  
W6HA President

**Officers for 2019 – 2020**

We thank the officers that are retiring especially Paul, KK6TAC, for his three years as treasurer. Thanks you very much for a job well done.

The Officers for 2019 – thru June of 2020 are:

President: Mike, N6MDV  
Vice President: Raul, KM6NRL  
Secretary: Judi, KI6TKT  
Treasurer: Alice, KK6MFL  
Station Manager: Brian, AB6UI

Committee Chairs are listed on the last page of the Transponder.

**HNLB–Hughes Net Lunch Bunch - 6/4/19**

Friends,

The June HNLB lunch was attended by 6 of us: Deryl, N6AIN; Al, W6IVO; Dick, W1MII; Dale, WB6MMQ; Dick, W6RFI; and Betty, N6VZF.

As usual, there was a wide range of topics discussed and, as usual, I don't remember what they all were. Perhaps I should take minutes. But, no, I'm usually too busy participating (and eating). I do remember that the quiet bands were one topic - "Why are the bands open/full on Field Day and empty otherwise?"

Betty, N6VZF

Ed.Note: The Hughes Net Lunch Bunchers (HNLBers) meet in Westchester, at the Coffee Co. La Tijera Blvd & Sepulveda East way, at 11:30 am. They've meet on the 1st Tuesday of the Month - since the mid 70s - 40 years!

**Contest for: June - July**

**Field Day – June 22, 23**

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## ARRL Letter – Excerpts of possible interest

### QRZ Institutes Password Security, Seller Verification Programs

In an effort to combat fraudsters and password phishers, the popular [QRZ](#) Amateur Radio website is offering the option of establishing two-factor authentication (2FA) for its registered users. The site's founder and president, Fred Lloyd, AA7BQ, explains that 2FA secures a user's password on the site.

"With 2FA, your actual password becomes nearly moot, and revealing it to a crook has no detrimental effect," Lloyd told ARRL. "With 2FA,

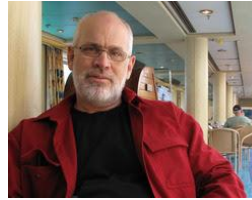


you need the one-time code, and that's the only thing that will work. It's a solid technology that is rapidly gaining in popularity."

Lloyd said that when a user logs into the site with 2FA, the validation for the session is stored in the user's browser as an encrypted cookie that can live for up to 30 days. He said QRZ.com staffers have been using 2FA successfully for a couple of years now. A [video has been posted](#) that demonstrates how to get started with 2FA without using a cell phone to receive codes.

Although 2FA will not become a requirement in order to log onto QRZ.com, a separate seller verification system has been instituted for anyone marketing ham gear via the Swapmeet forum. As of July 1, only those enrolled in the Verified User program will be able to list in that forum. Users may opt out of the Verified User program for the rest of the site.

"While verification is available to anyone on QRZ, it is required only in the Swapmeet section," Lloyd told ARRL. "Lately, there has been as many as a scam per day in the Swapmeet, and sometimes a popular radio model will be sold several times before it comes to our attention. One false listing can net any number of victims before it's discovered."



QRZ Founder and President Fred Lloyd, AA7BQ.

Lloyd explained that these fake listings are being placed using the accounts of users who have been tricked into giving out their log-in passwords through elaborate phishing schemes. "There is virtually nothing that QRZ can do to prevent phishing attacks, as a great many users never even know that they've been hacked," Lloyd allowed. "Scammers find it relatively easy to trick the users into supplying their actual passwords."

Setting up two-factor authentication is the first step to becoming a QRZ.com Verified User. Information on becoming a Verified User is available to those registered on the site via their [Account](#) page, accessible from the QRZ main page. Once they've secured their accounts with 2FA, members will have to submit photographic identification to QRZ in order to complete the Verified User process. Read [more](#).

### WSJT-X Developer Posts Observations on Using FT8 in June VHF Contest

WSJT-X developer Joe Taylor, K1JT, has tentatively concluded that there are good reasons to use both FT4 and FT8 in ARRL VHF contests. The latest beta version of FT4 was not available for the event, but Taylor noted that FT4 will be available for future contests



(the current -rc7 beta version will not be usable during ARRL Field Day either). Taylor, who was active in the VHF event over the past weekend, made the remark in a post to the [Packrats](#) reflector. Taylor reported making 433 contacts (21 dupes) in 152 grids, all, by and large, on FT8.

"Most of the time there was enough sporadic E and tropo-scatter to keep things busy using FT8," Taylor observed. "In this event, meteor scatter using MSK144 was not, score-wise, time efficient."

Taylor said he operated from home only on 6 meters and only on digital, "mainly to see how FT8 plays in a June VHF Contest." He operated for 21

of the contest's 33 hours and left his receiver running on 50.313 MHz when not in the shack.



"During the contest period, I decoded 45,375 transmissions from others in the 4 kHz window starting at 50.313 MHz," Taylor recounted. "That's an average of about 11 decodes per 15-second receive cycle."

**Joe Taylor, K1JT.**  
[Bob Inderbitzen, NQ1R, photo]  
Taylor said he seldom, if ever, found that a single 3 or 4 kHz window was "too crowded" with activity. "There were nearly always some open spots, even with nearly everyone in the first 2.7 kHz of the window," he said.

Taylor also speculated as to how the twice-as-fast FT4 might have fared, being 4 dB less sensitive than FT8 and having an 80 Hz bandwidth instead of FT8's 50 Hz bandwidth.

"My guess is that something like 80 - 85% of my QSOs could have been completed using FT4, most of them in half the time than it took in FT8," Taylor said.

**WWV 100th Anniversary Special Event Operation in the Planning Stages** [Repeated from Feb - ed]

It's a celebratory year for the WWV stations, ... marking their 100th year this fall. The WWV



Centennial Committee and National Institute of Standards and Technology (NIST) will mount a special event station this fall to mark the 100th anniversary of the time and frequency standard station, the world's oldest continuously operating radio station. ...

Dave Swartz, W0DAS, of the Northern Colorado Amateur Radio Club (NCARC) heads the committee, which is developing plans for an NCARC special event from September 28 through October 2, with a NIST centennial observance tentatively set for October 1. ...

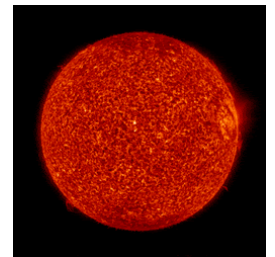
Swartz and committee members Darren Kalmbach, KC0ZIE, and Kevin Utter, N7GES, met on February 8 with WWV/WWVB/WWVH Station

Manager John Lowe, WWV Electronics Technician Glenn Nelson, and WWV Chief Engineer Matt Deutch, N0RGT. ... "The operating site lies outside the security fence simplifying logistics," he said. Swartz hopes Colorado clubs will help make the WWV Centennial a success. More info: <http://www100.com/>

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**The K7RA Solar Update**

Tad Cook, K7RA, Seattle, reports: The long string of days with no sunspots continues, with spots last observed nearly a month ago, on May 18. Predicted solar flux for the next 45 days is 70 on June 13 - 20, and 68 on June 21 through July 27.

The predicted planetary A index is 12 and 8 on June 13 - 14; 5 on June 15 - 23; 8, 12, and 8 on June 24 - 26; 5 on June 27 - July 5; 10, 8, 10, and 8 on July 6 - 9; 5 on July 10 - 20; 8, 10, and 8 on July 21 - 23, and 5 on July 24 - 27.



Scott Avery, WA6LIE, wrote to report his experiences during the ARRL June VHF Contest last weekend. "During the day, expecting sporadic E, we were influenced by a lot of meteor scatter caused by the Beta Taurids, a *daytime* event that is not advertised, as it is not seen and only radio astronomers and hams would be interested," he said. "I spent a lot of time on 6 meters, FT8 mode [and a] little SSB/CW, and the same with 2 meters. I was bombarded with pings [of] CQ TEST, and that station was gone. This happened for most of the daylight hours with [few contacts]." Avery said an opening to Japan yielded a few contacts. A Sunday multi-hop sporadic E opening to the east coast also occurred, he said.

Sunspot numbers for June 6 - 12 were 0, 0, 0, 0, 0, 0, and 0, with a mean of 0. The 10.7-centimeter flux was 68.9, 68.9, 68.4, 68.4, 68.9, 69.7, and 69.5, with a mean of 69. Estimated planetary A indices were 3, 4, 18, 6, 3, 3, and 4, with a mean of 5.9. Middle latitude A index was 4, 6, 14, 8, 4, 3, and 5, with a mean of 6.3.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the



ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) K9LA's Propagation Page.

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

[Share](#) your reports and observations.

**Just Ahead in Radiosports**

**June 15 -- ARRL Kids Day (Phone)**

- June 15 -- Feld Hell Sprint
- June 15 -- AGCW VHF/UHF Contest (CW)
- June 15 - 16 -- SMIRK Contest (CW, phone)
- June 15 - 16 -- All Asian DX Contest, CW
- June 15 - 16 -- Ukrainian DX Classic RTTY Contest
- June 15 - 16 -- ARR BPSK63 Contest
- June 15 - 16 -- IARU Region 1 50 MHz Contest (CW, phone)
- June 15 - 16 -- Stew Perry Topband Challenge (CW)
- June 15 - 16 -- West Virginia QSO Party (CW, phone, digital)
- June 16 -- WAB 50 MHz Phone Contest
- June 17 -- Run for the Bacon QRP Contest (CW)
- June 19 -- RSGB 80 Meter Club Championship, CW
- June 20 -- NAQCC CW Sprint
- June 22 – 23 ARRL Field Day**
- Sept. 28 – Oct. 2 WWV Centennial Special Event

All dates & times, unless otherwise stated, are UTC.

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**ARRL Section, State and Division Conventions / Hamfest in the West or near members:**

- August 9 - 11 -- [Pacific Northwest DX Convention](#), Everett, Washington
- August 17 - 18 -- [Huntsville Hamfest](#), Alabama State Convention, Huntsville, Alabama

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

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**THIS WEEKEND ON THE RADIO.**

ARRL SSB Kids Day, All Asian DX CW Contest, Stew Perry Topband CW Challenge, International Museum Weekend, NCCC RTTY Sprint, NCCC CW Sprint, SMIRK Contest, Ukrainian DX Classic

RTTY Contest, ARR BPSK63 Contest, IARU Region 1 50 MHz Contest, AGCW VHF/UHF CW Contest, West Virginia QSO Party, Feld Hell Sprint and the WAB 50 MHz Phone will certainly keep contesters busy this upcoming weekend.

The Canadian National Parks on the Air, NPOTA, operating event runs for the entire year of 2019, with special stations active from Canada's parks and historic sites.

Please see June QST, page 86, and the ARRL and WA7BNM Contest Web Sites for details.

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

**ARLD024 DX news**

This week's bulletin was made possible with information provided by The Daily DX, The OPDX Bulletin, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

CYPRUS, 5B. Special event station 5B19CWC is QRV to celebrate the Cricket World Cup which ends on **July 14**. QSL via 5B4AJT.

GHANA, 9G. Matteo, IZ4YGS is QRV as 9G5GS from Sanzule, West Takoradi **until July 2** while here on work assignment. He is active in his spare time during his evenings on 160 to 6 meters using mostly FT8 and SSB. QSL direct to home call.

CHILE, CE. Special event station CB2E is QRV until July 2 to mark the total solar eclipse on **July 2**. Activity is on the HF bands using SSB and FT8. QSL via bureau.

SPAIN, EA. Members of the Radio Club La Baells will be QRV with special calls EG3PTA, EG3PTP, EG3PTT, EG3PTU and EG3PTM from **June 15 to 23** to support the touristic and cultural endeavors of the Bergueda region. Activity will be on 160, 80, 40 and 20 meters using SSB and FT8. QSL all calls via EA3RCI.

GUADELOUPE, FG. Gildas, F6HMQ is QRV as FG/F6HMQ and TO1T **until June 25**. QSL to home call.

ST. MAARTEN, PJ7. Satoru, JI1DFO is QRV as PJ8SK **until June 15**. Activity is on 40 to 17

meters using FT8. QLS to home call.

SAINT MARTIN, FS. After his Sint Maarten activity, Satoru, JI1DFO will be QRV as FS/AG5CR from **June 16 to 18**. Activity will be on 40 to 17 meters using FT8. QSL to home call.

THAILAND, HS. Members of the Radio Amateur Society of Thailand are QRV with special call HS10KING **until July 31** to celebrate the coronation of King Vajiralongkorn Bodindradebayavarangkun. QSL via bureau.

SVALBARD, JW. Christian, EA3NT and Col, MM0NDX are QRV as JW/EA3NT and JW/OJ0Y, respectively, from Longyearbyen, IOTA EU-026, until **June 16**. Activity is on the HF bands using CW, SSB and various digital modes. QSL JW/EA3NT via M0OXO and JW/OJ0Y via M0SDV.

MARIANA ISLANDS, KH0. Tony, JA6CNL is QRV as KH0N from Saipan, IOTA OC-086, **until June 17**. Activity is on the HF bands using FT8. This includes being an entry in the All Asian DX CW contest. QSL to home call.

NORWAY, LA. Jacques, CT2IXX is QRV as LA/CT2IXX/p from Hitra Island, IOTA EU-036, **until July 12**. Activity is holiday style mainly during his weekends on various HF bands using only SSB. QSL to home call.

GREENLAND, OX. Bo, OZ1DJJ is QRV as OX3LX from Nuuk City until June 21. Activity is in his spare time on the HF bands, with a focus on 160, 80 and 60 meters. QSL direct to OZ0J.

PALAU, T8. Nobuaki, JA0JHQ will be QRV as T88PB from Koror Island, IOTA OC-009, from **June 15 to 23**. Activity will be mainly on 6M using FT8. This includes being an entry in the All Asian DX CW contest. QSL direct to home call.

ASIATIC RUSSIA, UA0. Operators Vasily, R7AL, Vladimir, RK8A and Albert, UB9WLJ are QRV as R205NEW from Bogoslova Island, IOTA AS-205, **until June 18**. This is a new island activation. QSL via Club Log.

MICRONESIA, V6. Hatu, JA1XGI will be QRV as V6K from Kosrae Island, IOTA OC-059, from **June 17 to 24**. Activity will be on 40 to 10M. QSL to home call.

CHRISTMAS ISLAND, VK9X. Christmas Island Amateur Radio Club station VK9XX has been active on 20 meters around **0900z**. [listed in June 2019-ed] QSL via operator's instructions.

FALKLAND ISLANDS, VP8. Special event station VP8HDM will be QRV on **June 15 and 16** from the Historic Dockyard Museum in Stanley, IOTA SA-002, during the International Museum Weekend. Activity will be on 40 to 17 M. QSL direct to VP8LP.

SOUTH AFRICA, ZS. Special event call ZS19CWC is QRV **until July 14** during the Cricket World Cup Radio Marathon 2019. QSL via operators' instructions.

HONG KONG, VR. Special event call VR2019CWC is QRV **until July 14** during the Cricket World Cup Radio Marathon 2019. QSL via operators' instructions.

LUXEMBOURG, LX. Members of the Radio Amateurs du Luxembourg group are QRV with special event call LX19CWC **until July 14** during the Cricket World Cup Radio Marathon 2019. QSL via operators' instructions.

JAPAN, JA. Special event station 8J7AIZU is QRV until **November 30** to highlight the 120th anniversary of Aizu Wakamatsu City in Fukushima. QSL via JN7GLC.

PAKISTAN, AP. Special event call AP19CWC is QRV **until July 14** during the Cricket World Cup Radio Marathon 2019. QSL via operators' instructions.

CYPRUS, 5B. Special event call 5B19CWC is QRV **until July 14** during the Cricket World Cup Radio Marathon 2019. QSL via operators' instructions.

BULGARIA, LZ. Members of the Thracian Rose Club are QRV with special call sign LZ116RF until the **end of July** during the Rose Festival in Kazanlak. QSL via LZ1YE.

THAILAND, HS. Spcl event station HS10KING is QRV **until July 31** to commemorate the Coronation of King Vajiralongkorn Bodindra-debayavarangkun, King Rama X. Activity is on all bands and possibly satellites. QSL #2

### IoTA (Islands on The Air) - 2019

None

### Long Term: (longer than 1 month)

UKRAINE, UR. Special event station EN185UNIV will be **QRV from April 15 to Dec. 31** to celebrate the 185th year of the Taras Shevchenko National University of Kiev.

SWEDEN, SM. Members of National Association of the Active Seeing Impaired club station SK5CG are QRV with special event station SF50CG during **all of 2019** in celebration of their 50th anniversary. QSL via SMOBYD.

FEDERAL REPUBLIC OF GERMANY, DA. Special event station DM775FLD is QRV **during all of 2019** to celebrate the founding of the town of Friedland 775 years ago. QSL #3

DEMOCRATIC REPUBLIC OF CONGO, 9Q. Fernando, EA4BB is QRV as 9Q6BB from Kinshasa until **[May 2019-ed]** QSL#2

UGANDA, 5X. Kazuo, 5X2B is QRV from Kampala to **July 2019** using 30 to 12 M using CW, SSB and RTTY. QSL direct to JA1PBV.

### Until 2020

GHANA, 9G. Emil, ZS6EGB is QRV as 9G5ZS until **February 2020**. Activity is on the HF bands using FT8. QSL via LoTW.

RWANDA, 9X. Alan, KE4TA will be QRV as 9X0TA from Kimihurura, Kigali **[until Aug. 5, 2020-ed]**. Activity will be holiday style on the HF bands. He is currently active on 20 and 17M using SSB, CW and digital modes. QSL via N4GMR.

### ANTARCTICA

[Summer Season November – April]

#### Notes:

1. QSL direct to home call.
2. QSL via operators' instructions.
3. QSL via bureau
4. QSL via LoTW

### Lunch Financials – for April 2019

Attendance: 16

Starting Lunch Kitty:	\$180.50
Expenses: Pizza(4) & Salad	\$110.00
Drinks: Soda: 8 @ 0.31 =	\$2.50
Water 0 @ 0.25	\$0.00
Food Total:	\$112.50
Income: Lunch:	\$107.00
Room Rent-To General Funds:	\$0.00
Starting - Kitty for May 7 <sup>th</sup> , 2019 Mtg:	\$175.00
<u>[Loss of \$5.50 - \$20.00 for room rent = Loss of \$25.50]</u>	

### Lunch Financials – for May 7, 2019

Attendance: 16

Starting Lunch Kitty:	\$175.00
Expenses: Pizza(1) & Salads	\$89.00
Drinks: Soda: 7 @ 0.32 =	\$2.25
Water 2 @ 0.25	\$0.50
Cookies 1 bucket @	\$4.00
Food Total:	\$95.75
Income: Lunch:	\$97.25
Room Rent-To General Funds:	\$0.00
Starting - Kitty for May 21 <sup>st</sup> , 2019 Mtg:	\$176.50
<u>[Gain of \$1.25 - \$20.00 for room rent = Loss of \$18.75]</u>	

### Lunch Financials – for May 21, 2019

Attendance: 19

Starting Lunch Kitty:	\$176.50
Expenses: Pizza(4) & Salads	\$104.00
Drinks: Soda: 10 @ 0.30 =	\$3.00
Water 1 @ 0.25 =	\$0.25
Food Total:	\$107.25
Income: Lunch:	\$108.75
Room Rent-To General Funds:	\$0.00
Starting - Kitty for June 18 <sup>st</sup> , 2019 Mtg:	\$178.00
<u>[Gain of \$1.50 - \$20.00 for room rent = Loss of \$18.50]</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](http://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](mailto: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](http://www.ARRLLAX.org) .

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

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

Links: TRW license test

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

**PodCast – Amateur Radio News**

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

On-Line Stores / suppliers:

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

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

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

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

<http://www.dxengineering.com>

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

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

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

ARRL <http://arrl.org>

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

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

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

**HARC Past & Current Presidents**

1973 Doug Erny, AK7E (former W6NPD)

1974 Orson Just, K6JGV, sk

1975, 76 Tom Rothwell, K6ZT, sk

1977 Tom McInnis, WB6ZEB, sk

1978,79 Sam Weise, W6LXR

1980 Bob Poole, AJ6F

1981 Russ Sanford, 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 and 15 WPM

CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 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:**

7 PM PDT Wed July 3 (0200 UTC July 4<sup>th</sup>)

4 PM PDT Thur July 25 (2300 UTC) – on CW Frequencies listed above, 10 to 40 WPM

**West Coast (Hawai'i) Qualifying Runs:**

9 PM PDT Tues July 30 (0400 UTC July 31) by KH6TU, Maui on 14,047.5 kHz – 40 – 10 wpm

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

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

**The Straight Key Century Club (SKCC):**

[http://www.skccgroup.com/member\\_services/beginners\\_corner/](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** for beginning operators is **7114 KHz**. It's a safe haven for CW new-comers. 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:**

<b>PRESIDENT:</b>	Mike, N6MDV	W6HA_President at W6HA.com
<b>VICE PRESIDENT:</b>	Raul, KM6NRL	W6HA_VicePresident at W6HA.com
<b>SECRETARY:</b>	Judi, KI6TKT	W6HA at W6HA.com
<b>TREASURER:</b>	Alice, KK6MFL	W6HA_Treasurer at W6HA.com
<b>STATION MANAGER:</b>	Brian, AB6UI	W6HA_StationMgr at W6HA.com
<b>Immediate PAST PRES.:</b>	Dale, WB6MMQ	W6HA at W6HA.com

**Committees:**

<b>NEWSLETTER EDITOR:</b>	Dale, WB6MMQ	W6HA_Editor at W6HA.com
<b>WEB MASTER:</b>	Mike, N6MDV	W6HA at W6HA.com
<b>MEMBERSHIP:</b>	Dale, WB6MMQ	W6HA at W6HA.com
<b>SCRRBA REP:</b>	Ray, WA6NVL	WA6NVL at ARRL.net
<b>MEETING HOST:</b>	Dale, WB6MMQ	W6HA at W6HA
Asst. Host:	Howard, KE6MAK	W6HA at W6HA
<b>FIELD DAY :</b>	Mike, Dale, Brian	W6HA at W6HA.com
<b>MEMBERSHIP:</b>	Dale, WB6MMQ	W6HA at W6HA.com
<b>NET COORDINATOR:</b>	Raul, WA6NVL	W6HA at W6HA.com
<b>YAHOO GROUPS MOD:</b>	Richard KM6FP	W6HA at W6HA.com ( <a href="http://groups.yahoo.com/w6ha">http://groups.yahoo.com/w6ha</a> )
<b>CLASS MODERATOR:</b>	Mike, N6MDV	W6HA_Class at W6HA.com
<b>RAYTHEON SAS ECT:</b>	Ken, KI6YDN,	KSIMP1022 at AOL.com
<b>CLUB REPEATER: W6HA/R</b>	445.620 MHz (-) PL 127.3 Hz	Location: Bldg. R1 roof
	Packet (node :hughes) 145.61s W6HA	

**HARC Repeater Nets: Wednesdays, 7:30 PM (0200 UTC Thursdays)** (Just Started Sept. 2018)  
**Thursdays, 12:05PM (1900 UTC) RTN ECT – All are welcome**

**South Bay ARC Net: Thursdays at 7:30 PM on W6SBA/R, 224.38, PL 192.8**

**LAFD CERT Net: 1<sup>st</sup> Monday of the month, 7:00 PM (0200 UTC Tuesday)**

**HAC 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 Paul, KK6TAC or 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](http://W6HA.com)

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The Hughes Amateur Radio Club is an ARRL affiliated club for FCC-licensed amateur radio operators and their family members. Membership consists of former, or retired employees of the Hughes Aircraft Company, Boeing and Raytheon companies in El Segundo. Membership is open to all Amateur Radio Operators and those who are aspiring Amateur Radio operators.

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