



The Transponder



***** EXTRA EDITION EXTRA *****

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

May 6, 2019 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVI, No. 5a

Meeting Notice: QUARTERLY EVENING MEETING

Where: El Segundo Library - Friends of the Library Conference Room
Location: 111 Mariposa Ave (near Main Street) , El Segundo, CA 90245
Date: Quarterly **Evening** Meeting, Tuesday, May 7, 2019
Time: Gather, 6:30; **Meeting:** 7 to 8:30 PM

Featured Presentation:

Field Day Planning

Up Coming Events:

May 21 - Regular Meeting - Election of Club Officers for the 2019 – 2020 Year
May 11, 18 – Technician Class, Manhattan Beach Joslyn Center (May 11 Location TBD)
June 21 – 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
1st 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

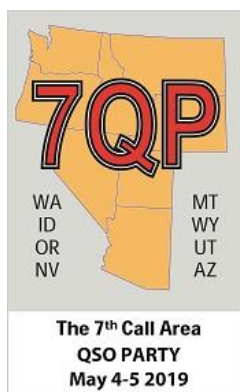
Transponder Deadline for Submittal of Articles: Wednesday, before next meeting

Club News:

May is a busy month for the club. There are two meetings and technician classes on two weekends. There is also a 10K race in Manhattan Beach. The first meeting is on the evening of Tuesday, May 7th. [There is also the first Tuesday HNLB lunch meeting at the Coffee Company in Westchester.] We are planning to have an evening meeting each quarter. This meeting will be to discuss Field Day Plans. The second meeting is on Tuesday, May 21, the regular 3rd Tuesday Noon meeting. Our Section Manager, Diana Feinberg, AI6DF will speak on emergency communication in the LAX Section. The Technician classes are planned for Saturdays, May 11 and 18 at the Manhattan Beach Joslyn center.

Contest for: May

7th Call Area QSO Party
 May 4, 1300 – May 5, 0700 UTC, 1.8 to 28 mHz
 CW, ph, Dig., Exchange:
 RS(T) 5 Letter State/county Code or SPC



7QP is an amateur radio contest, held annually on the first Saturday in May. The stations of the US 7th call area (Arizona, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming) become "the pursued", and the rest of the US, Canada, and the world tries to work as many of us, on as many bands/modes as possible, over an 18-hour period commencing at 6:00 AM PDT (1300 UTC).

More info:

<http://ws7n.net/7QP/new/page.asp?content=start>

Nominating Committee

The Nominating Committee has been busy coming up with the Slate of officers for the **2019 – 2020 year**. As most of you know our year runs from July 1st to June 30th. The nominating committee has the responsibility of securing the consent of at least one person, to be nominated, for each elected office. As a courtesy to the incoming or continuing president, the Nominating Committee usually fills the Committee Chairperson positions, as well, although these are not elected positions. The slate is being presented and the floor will be opened for nominations until the election, If you are planning

to nominate another person for an office, please secure that person’s commitment to serve, if elected, before nominating that person. Nominations can also be made during the interim between meetings and the election by contacting the chairman of the nominating committee or either of the two committee members. The chairman is the Past President, Dale, WB6MMQ, and the members are Steve, KI6GUY, a past Vice President and Richard, KM6FP. To allow most of the May 21st meeting for Diana’s presentation, upon arrival at the meeting you will be presented a ballot to vote on any contested offices. Mark the ballot and turn it in. At the end of the meeting the results will be announced.

Slate for 2019 - 2020	
Current Officers	Nominees 2019-20
<u>President</u> Mike, N6MDV	Mike, N6MDV
<u>Vice President</u> Raul, KM6NRL	Richard, KM6FP Raul, KM6NRL
<u>Secretary</u> Judi, KI6TKT	Judi Jensen
<u>Treasurer</u> Paul, KK6TAC	Alice, KK6MFL
<u>Station Manager</u> Brian, AB6UI	Brian, AB6UI
Committee Chairpersons	
Web Master	Mike, N6MDV
Yahoo Groups	Richard, KM6FP
Membership	Dale, WB6MMQ
SCRRBA Rep.	Ray, WA6NVL
Meeting Host	Dale, WB6MMQ
Newsletter Editor	Dale, WB6MMQ
Class Moderator	Mike, N6MDV
Net Coordinator	Raul, KM6NRL
Field Day Chair	Mike / Dale / Brian
Jet to Jetty Coor.	Dale, WB6MMQ, Betty, N6VZF, NCS
Sean O'B Coor.	Dale, WB6MMQ
Ray Miller Coor.	Dale, WB6MMQ
Ant. Trailer - Coor	Dale, WB6MMQ
RTN Lot T - Coor.	Ken, KI6YDN

HNLB-Hughes Net Lunch Bunch - 4/4/19

QST QST QST

Well, we got a table for 6 for lunch and 10 showed up! Being good hams, we adapted and modified and were able to sit together. Don, N6IC, supplied the picture for me. *[Pic available to those on the HNLB roster. Show up on a 1st Tuesday to get on that roster – ed]*

I'm in a sling because it's week 4 of 6 sling-weeks since my rotator cuff surgery. I'm hoping the Dr. will let me start active exercise (instead of the passive I'm doing now) next week when I see him.

I couldn't hear the QRM at the other end of the table, but, as usual, the air was filled with (mostly happy) chatter.

Betty, N6VZF

P.S. Where's my food?!

P.P.S. Next Mtg. 5/7/19 - Noon

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!

Items For Sale:

The **Henry 2K Classic HF amp** is for sale or trade. \$800 Or offer. It is broadcast grade, meaning it has a large power supply and can be key down on RTTY at more than 1200 watts all day, or SSB at 1500 watts all day.

Neal, N6YFM

mobile 310-704-7416

email nealix@gmail.com

ARRL Letter – Excerpts of possible interest

Faster, More Contest-Friendly FT4 Digital Protocol Beta Version to Debut on April 29



A new, speedier, more contest-friendly digital mode is just days away, initially in beta form. [WSJT-X](#) developers say serious work on the new FT4 protocol began shortly after the FT8 Roundup held last December 1 - 2. The goal was a mode that could compete with RTTY contesting in terms of contact rates, while preserving many of the benefits of FT8.

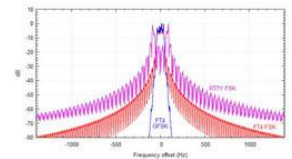
"Over the past month, a small group of volunteers have been conducting on-the-air tests of FT4," the

WSJT-X development group -- Joe Taylor, K1JT; Steve Franke, K9AN; and Bill Somerville, G4WJS -- announced this week. "The early tests were very successful and helped us to make a number of important design decisions. We believe FT4 has considerable promise for its intended purpose."

The developers say FT4 soon will be ready for testing by a larger group and they're seeking interested participants who can offer their "considered feedback." They suggest reading [The FT4 Protocol for Digital Contesting](#) first. A general release of the WSJT-X suite that includes FT4 is anticipated in July.

According to the document, FT4 is an experimental digital mode designed specifically for radio contesting that -- like FT8 -- uses fixed-length transmissions, structured messages with formats optimized for minimal contacts, and strong forward-error correction. Transmit-receive sequences are 6 seconds long, making it 2.5 times faster than FT8 and about the same speed as conventional RTTY for radio contesting. FT4 can work with signals 10 dB weaker what would be required to decode RTTY while using much less bandwidth.

Transmissions last for 4.48 seconds, compared to 12.64 seconds for FT8. Modulation uses four-tone frequency-shift keying at approximately 23.4 baud, with tones separated by the baud rate. The occupied bandwidth is 90 Hz.



Spectra of an FT4 signal transmitted with GFSK (blue), FT4 with FSK (red), and RTTY with continuous-phase FSK (purple).

"We plan to post downloadable installation packages for WSJT-X version 2.1.0-rc5 on Monday, April 29," the Development Group said.

"A few parameters and operating behaviors of FT4 are still being tested and optimized," the initial FT4 guide says. "It will be very useful to hold several more mock contest practice sessions, with a larger group of active participants."

Even if these practice sessions reveal no serious bugs or inadequacies, the WSJT-X development group believes FT4 is still too new to be used in the ARRL VHF Contest (June 8 - 10) and ARRL Field Day (June 22 - 23). For that reason, release

candidate *WSJT-X* 2.1.0-rc5 will "time out" on June 7. A general availability release is expected in mid-July. Read [more](#).



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. ...

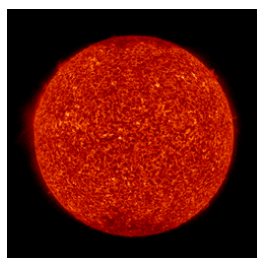
Dave Swartz, W0DAS, of the Northern Colorado Amateur Radio Club (NCARC) heads the committee, which is developing plans for an NCARC special event from September 28 through October 2, with a NIST centennial observance tentatively set for October 1. ...

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 club members will be allowed to use a 15-acre parcel on WWV property, ... "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://wwv100.com/>

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: No sunspots were visible over the April 25 - May 1 reporting week, and so the average daily sunspot number dropped to zero after sitting at 8.1 during the previous 7 days. Average daily solar flux declined from 70.6 to 67.5. Geomagnetic indicators were quiet, with



average planetary A index at 5.9, up from 4.7 in the previous week.

Predicted solar flux is 68 and 70 on May 2 - 3; 72 on May 4 - 5; 74 on May 6 - 9; 78 on May 10 - 16; 76, 72, and 70 on May 17 - 19; 69 on May 20 - 21; 68 on May 22; 67 on May 23 - June 2; 70 and 75 on June 3 - 4; 78 on June 5 - 12; 76, 72, and 70 on June 13 - 15.

Predicted planetary A index is 15 and 10 on May 2 - 3; 5 on May 4 - 9; 8 on May 10; 5 on May 11 - 19; 8 on May 20; 5 on May 21 - 26; 10, 14, 12, 8, and 5 on May 27 - 31; 10, 12, and 14 on June 1 - 3; 8 on June 4 - 6, and 5 on June 7 - 15.

The New Yorker recently ran an [article](#) about aurora borealis tourism.

Sunspot numbers for April 25 - May 1, 2019 were 0, 0, 0, 0, 0, and 0, with a mean of 0. The 10.7-centimeter flux was 67.5, 67.2, 66.9, 67.9, 66.9, 68.5, and 67.6, with a mean of 67.5. Estimated planetary A indices were 5, 4, 6, 5, 5, 5, and 11, with a mean of 5.9. Middle latitude A index was 4, 2, 5, 4, 6, 4, and 8, with a mean of 4.7.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) K9LA's Propagation Page.

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

[Share](#) your reports and observations.

THIS WEEKEND ON THE RADIO.

New England QSO Party, 10-10
International Spring CW Contest,
NCCC RTTY Sprint, NCCC CW Sprint,
Araucaria World Wide VHF Contest,
SBMS 2.3 GHz and Up Contest and Club
Challenge, Microwave Spring Sprint,
ARI International DX Contest,

QSO Parties:

7th Call Area QSO Party, Indiana QSO Party,
Delaware QSO Party, FISTS Spring Slow Speed
CW Sprint and MIE 33 Contest are all on tap for
this upcoming weekend.

The ARS Spartan CW Sprint is scheduled for May 7. The CWops Mini-CWT Test and Phone Fray are scheduled for May 8.

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

Please see May 2019 QST, page 84, and the ARRL and WA7BNM Contest Web Sites for details.

Just Ahead in Radiosports

- May 3 - 4 -- MIE 33 Contest (CW, ssb)
- May 4 -- FISTS Spring Slow Speed Sprint (CW)
- May 4-5 - New England QSO Party (CW, ssb, dig)
- May 4-5 - 7th Call Area QSO Party (CW, ph, dig)
- May 4 - 5 -- Indiana QSO Party (CW, ssb)
- May 4 -5 - Delaware QSO Party (CW, ssb)
- May 4-5 - 10-10 International Spring Contest, CW
- May 4-5 - SBMS 2.3 GHz & Up Contest (CW, ssb)
- May 4 -- Microwave Spring Sprint (CW, ssb)
- May 4-5 - ARI International DX Contest (CW, ssb)
- May 4-5 -- Araucaria World Wide VHF Contest (CW, ssb)
- May 7 -- ARS Spartan Sprint (CW)

June 22 – 23 ARRL Field Day

Sept. 28 – Oct. 2 WWV Centennial Special Event

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

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

- May 17 - 19 -- [Hamvention -- ARRL National Convention](#), Xenia, Ohio
- May 31 - June 1 -- [Arizona State Convention](#), Prescott, Arizona
- May 31, 2019 [Northwestern Division Convention](#), SEA-PAC Seaside Oregon

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

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

ARLD018 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.

FIJI, 3D2. Nobby, G0VJG is QRV as 3D2AS until May 5, and then **again from May 20 – 22**. Activity is on 40 to 10 meters using SSB and FT8 in DXpedition mode. QSL via M0OXO.

CROATIA, 9A. Jan, PA4JJ is QRV as 9A/PA4JJ **until June 5**. Activity is holiday style on 40 to 10 meters using mainly FT8. QSL to home call.

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

FEDERAL REPUBLIC OF GERMANY, DL. Members of radio club Bad Doberan are QRV with SPCL call sign DM460DA **until Oct. 31** to celebrate the club's 60th year. QSL via DL9GFB.

PHILIPPINES, DU. Audie, DU1ZDR and Gazelle, DU1ZDQ will be QRV as DZ1A from Siargao Island, IOTA OC-235, on **May 4 and 5**. Activity will be on 40 and 20M. QSL via operators' instructions.

SPAIN, EA. Members of the Radio Club de las Fuerzas Armadas Espanolas will be QRV with special call sign EG1FAS from **May 4 to June 2** to commemorate Spain's armed forces. QSL via EA1ADP.

HAITI, HH. Dale, N3BNA and Mark, K3MSB will be QRV as HH6/home calls from **May 4 to 11**. Activity will be in their spare time on 160 and 60M. QSL HH6/N3BNA via KA2AEV, and HH6/K3MSB to home call.

THAILAND, HS. Splc 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

DOMINICA, J7. Operators Thomas, SM0CXU & Tore, SM0DZB will be QRV as J79U & J79TA, from **May 7 to 15**. QSL via M0OXO.

ST. VINCENT, J8. Brian, GW4DVB will be QRV as J88PI from Palm Island from **May 7 to 14**. Activity will be on 40 to 6M using SSB, SSTV and FT8. QSL #1.

ARGENTINA, LU. Horacio, LU5BE/T and Enrique, LU8EFF/T are QRV until **May 5** from

Susques and Purmamarca. Activity is on 80 to 6M using CW, SSB, PSK31, HELL, JT65 and FT8. QSL #2

BULGARIA, LZ. Members of the Bulgarian Radio Club Blagovestnik are QRV with special call LZ497OM **during May** to honor Orthodox saints. QSL via bureau.

PERU, OA. Michael, AC0PR plans to be QRV as OA3/AC0PR from Chimbote from **May 5 to 14**. Activity will be in his spare time 40 to 15M using only CW and QRP power. QSL #1.

MARKET REEF, OJ0. Pasi, OH3WS plans to be QRV as OJ0W from **May 4 to 11**. Activity will be in his spare time on 60 and 30M. QSL #1.

SLOVAK REPUBLIC, OM. Special event stations OM83IHWC and OM2019IIHF are QRV **during May** to mark the 83rd Men's World Ice Hockey Championships. Activity is on the HF and VHF bands. QSL via OM2FY.

EUROPEAN RUSSIA, UA. Stations are using the RP74 prefix **until May 9** to commemorate the 74th year since the end of World War II.

SOMALIA, T5. Ali, EP3CQ will be QRV as 6O100 beginning **April 15 to May 15**. Activity will be mostly on 40 and 20M using FT8. QSL #2

IoTA (Islands on The Air) - 2019

PHILIPPINES, DU. Audie, DU1ZDR and Gazelle, DU1ZDQ will be QRV as DZ1A from Siargao Island, IOTA OC-235, on **May 4 and 5**. Activity will be on 40 and 20M. QSL #2

MALDIVES, 8Q. Nobu, JA0JHQ and Ted, JA7XBG plan to be QRV as 8Q7NH and 8Q7XB, respectively, from Embudu Island, IOTA AS-013, from **May 7 to 10**. Activity will be on 160 to 6 meters using CW and FT8. QSL #1

WALLIS AND FUTUNA ISLANDS, FW. Nobby, G0VJG will be QRV as FW/G0VJG from Wallis Island, IOTA OC-054, from **May 6 to 20**. Activity will be on 60 to 6M using SSB and FT8. QSL via M0OXO.

Long Term: (longer than 1 month)

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.

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 SM0BYD.

ANTARCTICA

[Summer Season November – April]

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

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 N4GNR.

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 \$68.00
Income: Lunch:	\$107.00 \$175.00
Room Rent-To General Funds:	\$0.00 \$175.00
Starting - Kitty for May 7 th , 2019 Mtg:	\$175.00
<u>[Loss of \$5.50 - \$20.00 for room rent = Loss of \$25.50]</u>	

HUGHES ARC NET
ROSTER

Frequencies: 445.620 - PL: 127.3; Followed by Simplex: 146.550

DATE

Callsign	Name	2/6	2/13	2/20	2/27	3/6	3/13	3/20	3/27	4/3	4/10	4/17	4/24	5/1	5/8	5/15
K6BRN	Brian						x			x	x					
KM6CEM													x			
KK6EWB	Ingo										x					
KM6FP	Rich	x	x	x	x	x	x	x	x							
KM6GXZ	Rick						x			x	x			x		
N6HEG	Eric	x						x								
N6IET	Rick	x	x	x	X		x	x	X	x	X	x	x	x		
KM6IQP	Mark															
N6JZT	Al				x											
N6JLS	John											x				
K6LDQ	Jon							x	x	x	x	x	x	x		
KE6MAK	Howard		x	x	x			x		x	x	x	x	x		
N6MHD	Mike												x			
N6MDV	Mike	x		x	x				x	x	x	x	x	x		
W0MEC	Clem													x		
KK6MFL	Alice					x		x								
WB6MMQ	Dale					X		x	x	X		x		X		
KM6NRL	Raul		X	X	x	x	X	X	x			X		x		
KJ6OML	Gene								x							
KM6PFI	John		x		x	x		x	x				x	x		
K6PNJ	Phil	x			x	x	x	x	x	x	x	x	x	x		
KG6QAG	Smed															
AD6RW	Bob															
AC6RW	Ron															
KM6RWQ	Kevin										x	x	x	x		
WA6SET	Tom										x	x		x		
KM6TGV	Zane															
W6TTA	Ryan															
AB6UI	Brian					x	x		x	x			x	x		
KM6UPQ	Bruce								x							
K6VHY	Karen															
KK6WLD	Greg				x				x		x					
KK6WYW	Bob	x			x	x		x	x	x				x		
KE6YHX	Cory		x						x							
WB6YMI	Martin	x												x		
KM6ZGQ	Don							x								
KM6ZME	Mike					x										
Totals		7	6	5	10	9	7	12	14	10	11	10	10	15	0	0

Bold indicates NCS; Black - Repeater only; Red - Indicates Simplex

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 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 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:

4 PM PDT Tues May 7 (2300 UTC) – on CW Frequencies listed above, 10 to 40 WPM
 6 AM PDT Fri May 24 (1300 UTC)

West Coast Qualifying Runs:

9 PM PDT Wed May 29 (0400 UTC May30) by K9JM on 3590 & 7047.5 kHz – 10 to 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 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:**

PRESIDENT: Mike, N6MDV W6HA_President at W6HA.com
VICE PRESIDENT: Raul, KM6NRL W6HA_VicePresident at W6HA.com
SECRETARY: Judi, KI6TKT W6HA at W6HA.com
TREASURER: Paul, KK6TAC W6HA_Treasurer at W6HA.com
STATION MANAGER: Brian, AB6UI W6HA_StationMgr at W6HA.com
PAST PRESIDENT: 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
FIELD DAY : Mike, Dale, Brian W6HA at W6HA.com
MEMBERSHIP: Dale, WB6MMQ W6HA at W6HA.com
YAHOO GROUPS MOD: Richard KM6FP
CLASS MODERATOR: Mike, N6MDV W6HA_Class 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

YAHOO GROUPS: <http://groups.yahoo.com/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 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

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.
