



The Transponder



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

April 12, 2019 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVI, No. 4

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, April 16, 2019 3rd Tuesdays
Time: Gather, 11:45; Meeting: 12 to 1:00 PM

Featured Presentation:

TBD

Up Coming Events:

April Regular meeting - Election of Club Officers for the 2019 – 2020 Year
May 7th ,Tuesday – Quarterly Evening Tech Series (FoTL Conf. Rm not available on the 9th)
May 11, 18 – Technician Class, Manhattan Beach Joslyn Center
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
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

Inside:	page
Club News -----	2
Items For Sale -----	2
ARRL Letter – excerpts of possible interest -----	2
ARRL Contest Update – Excerpts -----	2
K7RA Solar Update -----	5
Just Ahead in Radio Sport -----	5
Select DX News -----	6
Wednesday Net Check in Log (6 weeks) -----	7
Amateur Radio Licensing Exams & LAX Section officers --	8
WIAW Schedule – Qualifying Runs & SKCC info-----	9
Club Officers & Info -----	10

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

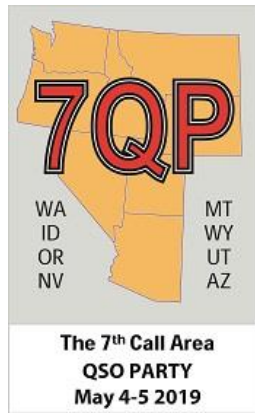
Club News:

New Members in February & March

We erroneously reported only one new member last month, but in fact there were three. Tom, WA6SET, was reported last month. In addition, we have Paul, K6PEC and Kevin, KM6RWQ. Badges for all three will be available at this month's meeting. Since you joined after the 1st of the year, your memberships run through June 30, 2020. Welcome to the club Tom, Paul and Kevin!

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 6:00am Pacific Time (1300 UTC).

More info: <https://www.cqwp.com/>

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 Chairpersons slots as well, although these are not elected positions. The slate is being presented and the floor will be opened for nominations until the election, Self-nomination is acceptable; however, if you plan on nominating another person for an office, please secure that person's commitment to serve, if elected, before nominating that person. Nominees need to be members in good standing (Dues paid up) with a

reasonably good attendance record and should have been active in the club for a year, or more. 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. INorderr to be prepared with ballots, the committee would like to receive any additional nominations for the elected offices a week before the election at the regular club meeting in May.

Slate for 2019 - 2020	
Current Officers	Nominees 2019-20
<u>President</u> Mike, N6MDV	Mike, N6MDV
<u>Vice President</u> Raul, KM6NRL	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.	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?!

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

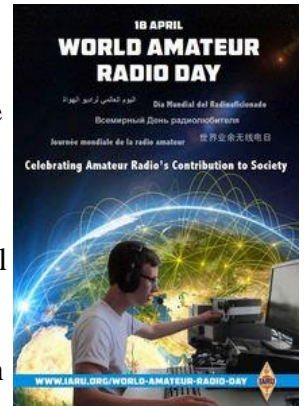
World Amateur Radio Day 2019 Marks International Amateur Radio Union Founding

Thursday, April 18, is World Amateur Radio Day ([WARD](#)), this year marking the 94th anniversary of the International Amateur Radio Union ([IARU](#)), which was founded in Paris in 1925. Each year, WARD celebrates Amateur Radio's contribution to society.

Groups in the US and around the world will celebrate WARD 2019 with on-air activities.



"I am pleased to extend my greetings for World Amateur Radio Day," IARU President Tim Ellam, VE6SH, said. April 18 is the day for all of Amateur Radio to celebrate and tell the world about the science we can help to teach, the community service we can provide, and the fun we have. I would encourage all radio amateurs to join in the celebrations and promote Amateur Radio on the air or in your community."



Amateur Radio experimenters were the first to discover that the shortwave spectrum was not the wasteland experts of the time considered it to be, but a resource that could support worldwide propagation. In the rush to use these shorter wavelengths, Amateur Radio was "in grave danger of being pushed aside," the IARU's history notes. Amateur Radio pioneers met in Paris in 1925 and created the IARU to support Amateur Radio around the globe.

Two years later, at the International Radiotelegraph Conference, Amateur Radio gained allocations still recognized today -- 160, 80, 40, 20, and 10 meters. More bands have followed, and the IARU has been working to defend and expand Amateur Radio frequency allocations ever since.

From the 25 countries that formed the IARU in 1925, the IARU has grown to include 160 member-societies in three regions. IARU Region 1 includes Europe, Africa, the Middle East, and northern Asia. Region 2 covers the Americas, and Region 3 is comprised of Australia, New Zealand, the Pacific island nations, and most of Asia.

The International Telecommunication Union ([ITU](#)) has recognized the IARU as representing the interests of Amateur Radio.

Groups are encouraged to promote their WARD activity on social media by using the hashtag **#WorldAmateurRadioDay** on Twitter, Instagram, and Facebook. [Visit](#) the IARU World Amateur Radio Day web page for a listing of on-the-air activities.

Solar Cycle 25 Predicted to be Similar to Cycle 24

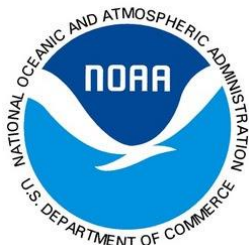
Scientists predicting the sun's activity for Solar Cycle 25 say it's likely to be much like that of current Cycle 24, which is declining and predicted to bottom out in 2019 or 2020. Solar Cycle 25 Prediction Panel experts said Solar Cycle 25 may get off to a slow start, but is anticipated to peak between 2023 and 2026 with a sunspot range of 95 to 130. This is well below the typical average of 140 to 220 sunspots per solar cycle. The panel expressed high confidence that the coming cycle should break the trend of weakening solar activity seen over the past four cycles. The Solar Cycle Prediction Panel forecasts the number of sunspots expected for solar maximum, along with the timing of the peak and minimum solar activity levels for the cycle. The outlook was presented on April 5 at the [2019 NOAA Space Weather Workshop](#) in Boulder, Colorado



A 2013 coronal mass ejection. [Photo courtesy of NOAA]

"We expect Solar Cycle 25 will be very similar to cycle 24: Another fairly weak cycle, preceded by a long, deep minimum," said panel co-chair Lisa Upton, a solar physicist with Space Systems Research Corp. "The expectation that Cycle 25 will be comparable in size to Cycle 24 means that the steady decline in solar cycle amplitude, seen from cycles 21 - 24, has come to an end and that there is no indication that we are currently approaching a Maunder-type minimum in solar activity."

... Solar Cycle 24 reached its maximum in April 2014, with a peak average of 82 sunspots. The sun's northern hemisphere led the sunspot cycle, peaking more than 2 years ahead of the southern hemisphere sunspot peak. Given that the sun takes 11 years to complete one solar cycle, this is only the fourth time that US scientists have issued a solar cycle prediction. The first panel convened in 1989 for cycle 22.



For Solar Cycle 25, the panel hopes for the first time to predict the presence, amplitude, and timing of any differences between the northern and southern hemispheres on the sun, known as hemispheric asymmetry. Later this year, the panel will release an official sunspot number curve showing the predicted number of sunspots during any given year and any expected asymmetry. The panel will also look into the possibility of providing a solar flare probability forecast.

... Visit the SWPC to obtain the latest space weather forecast. Read [more](#). -- Thanks to NOAA

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, K0ZIE, 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/>

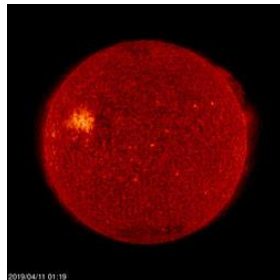
In Brief...**The latest General-class Question Pool, effective July 1, has been released.** [repeated from Feb.'19 – ed]

The National Conference of Volunteer Examiner Coordinators (NCVEC) Question Pool Committee has released the 2019 - 2023 FCC Element 3 General Class Question Pool into the public domain. The 2019 - 2023 General Class (Element 3) Question Pool is available in [Word](#), [ASCII text](#), and [PDF](#) versions. The new Question Pool is effective for Element 3 exams administered on or after July 1, 2019. On January 6, the Question Pool Committee also released a revised diagram Figure G7-1 ([PDF](#)) ([JPG](#)), as part of the new Element 3 Question Pool. -- *Thanks to NCVEC Question Pool Committee*

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: The first 3 days of the reporting week (Thursday through Saturday) had no visible sunspots, but sunspots returned Sunday through Wednesday. The average daily sunspot number declined from 9.4 to 6.9, but average daily solar flux rose from 69.5 to 75.4. Geomagnetic indicators were slightly more active, with the average daily planetary A index increasing from 8.4 to 10.6, and average middle latitude A index increasing from 7.3 to 9.

Predicted solar flux for the next 45 days is 78 on April 11 - 17; 76 and 74 on April 18 - 19; 70 on April 20 - 22; 69 on April 23; 70 on April 24 - 28; 71 on April 29 - May 1; 72 on May 2 - 3; 77 on May 4 - 6; 74 on May 7 - 16; 70 on May 17 - 19; 69, 68, 69, and 69 on May 20 - 23, and 70 on May 24 - 25.



The predicted planetary A index is 14, 12, and 8 on April 11 - 13; 5 on April 14 - 23; 10, 8, 5, 10, 8, and 5 on April 24 - 29; 10 on April 30 - May 2; 7 on May 3; 5 on May 4 - 20, and 10, 8, 5, 10, and 8 on May 21 - 25.

Sunspot group 2738 appeared on April 7. It's the bright spot on this [STEREO spacecraft image](#). This view will move from left to right over time, until it disappears off the right side.

Sunspot numbers for April 4 - 10 were 0, 0, 0, 11, 12, 12, and 13, with a mean of 6.9. The 10.7-centimeter flux was 70.3, 71.7, 73.6, 76.5, 78.6, 79, and 78.1, with a mean of 75.4. Estimated planetary A indices were 10, 14, 7, 5, 13, 11, and 14, with a mean of 10.6. Middle latitude A index was 8, 10, 7, 5, 12, 11, and 10, with a mean of 9.

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 13-14 - JIDX CW Contest
 April 13-14 - OK/OM DX Contest (SSB)
 April 13-14 - F9AA Cup, PSK
 April 13-14 - SKCC Weekend Sprintathon (CW)
 April 13-14 - NM QSO Party (CW, SSB, digital)
 April 13-14 - Texas St. Parks OTA (CW,SSB, dig.)
 April 13-14 - ND QSO Party (CW, SSB, digital)
 April 13-14 - Georgia QSO Party (CW, SSB, dig.)
April 14 -- [ARRL Rookie Roundup, SSB](#)
 April 14 -- WAB 3.5/7/14 MHz Data Modes
 April 14 -- Intr. Vintage Contest HF (CW & SSB)
 April 15 -- 4 States QRP Group 2nd Sunday Sprint (CW & SSB)
 April 16 -- 222 MHz Sprg Sprint (CW, phone, dig.)
 May 4-5 -- 7 Area QSO Party (CW, ph, Dig.)

June 22 – 23 ARRL Field Day

Sept. 28 – Oct. 2 WWV Centennial Special Event

All dates and times, unless otherwise stated, are UTC. See the [ARRL Contest Update](#), [WA7BNM Contest Calendar](#) and the [ARRL Contest Calendar](#) for more information.

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

April 13 - 14 -- [Communications Academy](#), Seattle, Washington
 April 27 - [RV Radio Network Rally](#), Linwood, NC
 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?)

ARLD015 DX news

This week's bulletin was made possible with information provided by EA4NF, 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.

UGANDA, 5X. Anders, SM0HPL is QRV as 5X7W from Kampala until **April 27** while on work assignment. He is active in his spare time on the HF bands using CW, JT65 and FT8 with QRP power. QSL via LoTW.

PHILIPPINES, DU. Ed, 4F1OZ and Gil, 4F2KWT are QRV as DX1CC from Arena Island, IOTA OC-207, **until April 15**. Activity is on 30, 20 and 17 meters using CW and SSB. QSL via EA5GL.

LIECHTENSTEIN, HB0. Philippe, EA4NF will be QRV as HB0/EA4NF from April 17 to 19. Activity will be on the various FM and SSB Satellites. QSL via LoTW.

DJIBOUTI, J2. A group of operators will be QRV as J20DX from **April 13 to 21** from Sept Frere Island, IOTA AF-059, and then as J20DX/p from Moucha Island, IOTA AF-053. Activity will be on 80 to 6 meters using CW and SSB. QSL #4

AMERICAN SAMOA, KH8. Joe, OZ0J and Palle, OZ1RH will be QRV as KH8/home calls from Tutuila, IOTA OC-045, from **April 16 to 22**. Activity will be on 80 to 12 meters using CW, SSB, RTTY and FT8 with two stations. QSL #4

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.

ALAND ISLANDS, OH0. Mart, DL6UAA is QRV as OH0UA until **April 19**. Activity is on the HF bands using CW and digital modes. QSL #1

MARKET REEF, OJ0. Pasi, OH3WS plans to be QRV as OJ0W on **Apr. 13 & 14**. Activity will be on 60 and 30M using only CW. QSL #1

DENMARK, OZ. Special event stations 5P0WARD and 5P0WHD will be QRV on **April 18** in celebration of the 94th World Amateur Radio Day. QSL via LoTW.

EAST KIRIBATI, T32. Ken, KH6QJ will be QRV as T32AZ from Kiritimati Island, IOTA OC-024, from **April 16 to 23**. Activity will be on 80, 40, 20 and 15 meters using CW and SSB. QSL #1

SOMALIA, T5. Ali, EP3CQ will be QRV as 6O100 beginning April 15 to May 15. Activity will be mostly on 40 and 20 meters using FT8. QSL via operator's instructions.

PALAU, T8. Shunji, JA1JEJ and Ichy, JH7IPR are QRV as T88IB and T88UW, respectively, from Koror Island, IOTA OC-009, **until April 16**. Activity is on the HF bands using CW, SSB, FT8 and other digital modes. QSL #1.

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

NORFOLK ISLAND, VK9N. Rob, VK2FBBB plans to be QRV as VK2FBBB/VK9 until **April 27**. Activity will be on 80 and 40 meters. QSL #1

ANGUILLA, VP2E. Chris, PA2CHR and Jos, PA3FYC plan to be QRV as VP2EMB until **April 21**. Activity will be with EME on 2 meters, and 70 and 23 centimeters using CW and JT65. They may also be active on HF frequencies. QSL direct to PA3FYC.

BURKINA FASO, XT. Harald, DF2WO is QRV as XT2AW from Ouagadougou **until April 26**. Activity is holiday style on 160 to 10 meters using mostly RTTY, PSK31, RTTY, JT65 and FT8, and slow CW. QSL direct to M0OXO.

SENEGAL, 6W. Jacques, F6HMJ will be QRV as 6W7/F6HMJ **from March 19 to April 28**. Activity will be on 80 to 10 meters using mostly CW with some SSB. QSL#1

PHILIPPINES, DU. Press, N6SS is QRV as DU6/N6SS from Panay Island, IOTA OC-129, **until April 17**. Activity is on 160, 80 and 40 meters using CW, SSB and FT8. This includes being an entry in the upcoming CQ World Wide WPX SSB contest. QSL #1

OPERATION APPROVED FOR DXCC CREDIT. The following operation is approved for DXCC credit: Tristan da Cunha and Gough Island, ZD9CW, 2018 operation.

Long Term: (longer than 1 month)

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.

IoTA (Islands on The Air) - 2019

MACQUARIE ISLAND VK0. Norbert, VK5MQ is QRV as VK0AI and will be here with the next winter team for one year. [until April 2019 - ed] Activity has been on 30 and 20 meters using FT8 between 0400 to 0630z. QSL #1

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 February 2019

Attendance: 26

Starting Lunch Kitty: \$196.50
 Expenses: Pizza(4) & Salad \$103.00
 Drinks: Soda: 14 @ 0.31 \$4.50

Water 1 @ 0.25 \$0.25

Food Total: \$107.75 \$88.75

Income: Lunch: \$142.00 \$230.75

Room Rent-To General Funds: \$0.00 \$230.75

Starting - Kitty for Mar. 2019 Mtg: \$230.75

[Gain of \$34.25 - \$20.00 for room rent = Gain of \$14.25]

Lunch Financials – for March 2019:

Attendance: 20

Starting Lunch Kitty: \$230.75

Expenses: Pizza(4) & Salad \$101.00

Drinks: Soda: 10 @ 0.30 \$3.00

Water 1 @ 0.25 \$0.25

Food Total: \$104.25 \$126.50

Income: Lunch: \$114.00 \$240.50

Room Rent-To General Funds: \$60.00 \$180.50

Starting - Kitty for Apr. Mtg.: \$180.50

[Gain of \$9.25 - \$20.00 for room rent = Loss of \$11.75]

HUGHES ARC NET ROSTER

Frequencies: 445.620 - PL: 127.3;

Followed by Simplex: 146.550

Callsign	Name	3/6	3/13	3/20	3/27	4/3	4/10
K6BRN	Brian		x			x	x
KK6EWB	Ingo						x
KM6FP	Rich	x	x	x	x		
KM6GXZ	Rick		x			x	x
N6HEG	Eric			x			
N6IET	Rick		x	x	X	x	X
K6LDQ	Jon			x	x	x	x
KE6MAK	Howard			x		x	x
N6MDV	Mike				x	x	x
KK6MFL	Alice	x		x			
WB6MMQ	Dale	X		x	x	X	
KM6NRL	Raul	x	X	X	x		
KJ6OML	Gene				x		
KM6PFI	John	x		x	x		
K6PNJ	Phil	x	x	x	x	x	x
KM6RWQ	Kevin						x
WA6SET	Tom						x
AB6UI	Brian	x	x		x	x	
KM6UPQ	Bruce				x		
KK6WLD	Greg				x		x
KK6WYW	Bob	x		x	x	x	
KE6YHX	Cory				x		
KM6ZGQ	Don			x			
KM6ZME	Mike	x					
		9	7	12	14	10	11

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

Only one operator is 100% for these 6 weeks.

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.ARRLAX.org .

RF Safety – Power Density Web site:

http://hintlink.com/power_density.htm

Links: TRW license test

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

PodCast – Amateur Radio News

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

On-Line Stores / suppliers:

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

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

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

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

<http://www.dxengineering.com>

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

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

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

ARRL <http://arrl.org>

CQ Mag [http://store.cq-amateur-](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>

SCRRA (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:

1 PM PDT Thur Apr 18 (2000 UTC) – on CW Frequencies listed above, 10 to 40 WPM

4 PM PDT Tues May 7 (2300 UTC)

6 AM PDT Fri May 24 (1300 UTC)

West Coast Qualifying Runs:

9 PM PDT Wed Apr 24 (0400 UTC Apr 25) by K9JM on 3590 kHz

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 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 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 : TBD for 2019 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.
