



The Transponder



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

March 15, 2019 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVI, No. 3

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, March 19, 2019 3rd Tuesdays
Time: Gather, 11:45; **Meeting:** 12 to 1:00 PM

Featured Presentation:

Nominating Committee presents Slate for the 2019-2020 year
Members will present their Home Stations, Favored Ham Gear or Antenna.

Up Coming Events:

Election of Officers for the 2019 -2020 Year
June 21 – 23 – ARRL Field Day (Location - Hopkin’s Wilderness Park, Pine Campground, Redondo 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

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Lunch: Pizza: 1 Large Veggi; 1 Lrg Pepperoni; 1 Lrg Special; 1 Lrg ½ sausage, ½ Hawaiian (\$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 Club Member in February 2019

The club gained one (1) new club members since the last meeting, as follows:

Tom, WA6SET

Welcome to the club Tom!

HNLB-Hughes Net Lunch Bunch - 3/5/19

Only 5 showed up this month, but I know Don, N6IC, works at the precinct when there's an election. I'm assuming there was one in his neighborhood, as there was in mine.

This month Al, W6IVO, Dick, W1MII, Dale, WB6MMQ, Bob, N6QA, and Betty (me, myself, and I), N6VZF, had a good meal and good conversation ... and hoped the rain would hold off a bit for our drives home.

Tomorrow a.m. I'm getting my R rotator cuff repaired so I'll be in a sling for 6 wks. (they say). This will probably cut back on my typing ability and I'm not used to mousing with my L hand. I'm sorta ambidextrous, so I'll see how I cope.

Good health to you all,
Betty, N6VZFBetty, 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!

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, they usually fill the Committee Chairpersons slots as well, although these are not elected positions. This is in Progress.

So the slate is being presented this month, March 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 the March meeting 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. The committee would like to receive these nominations before the election, so that if there are multiple names running for an office, the ballots can be prepared ahead of time, allowing for less confusion at the meeting.

Slate for 2019 - 2020	
Current Officers	Nominees 2019-20
<u>President</u> Mike Vahey	Mike Vahey
<u>Vice President</u> Raul Rodriguez	Raul Rodriguez
<u>Secretary</u> Judi Jensen	Judi Jensen
<u>Treasurer</u> Paul Geisel	Alice Chavez
<u>Station Manager</u> Brian Johnson	Brian Johnson

Newly elected officers begin their term on July 1st.

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

Contests for: March & April

March 30 - The WPX Contest is based on an award offered by CQ Magazine for working all prefixes. It is held on the last weekend of March (SSB) and May (CW), the contest draws thousands of entries from around the world. See www.cqwp.com for more information.

ARRL Letter – Excerpts of possible interest

Amateur Radio Volunteers Activate Following California Flooding

Amateur Radio volunteers with the Sonoma County, California, Auxiliary Communications Service (ACS) rallied to assist the Sonoma County Fire and Emergency Services Department in February after heavy rain led to flooding in the region. San Francisco Section Manager Bill Hillendahl, KH6GJV, told ARRL that while no actual communication emergencies occurred during the weather event, Sonoma County ACS volunteers provided "needed eyes" and were available in case further assistance was needed.

Sonoma County ACS Radio Officer Dan Ethen, WA6CRB, said heavy rainfall on fire-scarred areas resulted in flooding along the Russian River.



Ethen reported, "On February 13 and 14, ACS volunteers staffed the Sonoma County Operational Area EOC. Mobile ACS Field Units were assigned to patrol the burn-scar areas that were a result of the Complex Fire Storm in October of 2017."

"All-Hazard Road Patrols reported downed power lines, trees, mud[slides] and landslides impacting traffic flow, ... and road flooding," Ethen said.

From February 26 - 28, ACS Volunteers staffed the Sonoma County Operational Area EOC and the Graton Fire Incident Command Post (ICP). They provided back-up communication ... supported the evacuation in the Russian River flood area.

ACS volunteers continued All-Hazard Road Patrols while using the county-wide 2-meter repeater. "Mobile units were tracked on APRS and visible to the EOC radio operators to ensure safety and accurate location reporting of any observed hazards," Ethen said. ... Read [more](#).

ARRL to Auction HF/50 MHz Transceiver, ARRL Handbook Boxed Set

The US Amateur Radio on the International Space Station (ARRL) team will auction a new Kenwood TS-890S transceiver and a six-volume 2019 ARRL

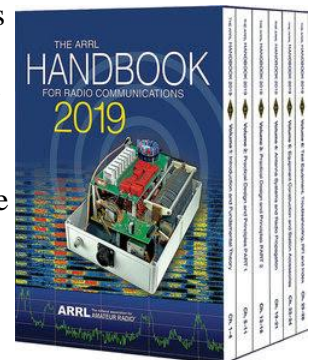
Handbook boxed set -- both donated items made unique by bearing the signatures of US astronauts. **Bidding will begin on April 8 at 1200 UTC and conclude on April 14 at 2200 UTC.** Next month's fundraiser auction will mark the first for ARISS.



The Kenwood TS-890S transceiver. [Photo courtesy of JVC Kenwood]

"Auction proceeds will help ARISS to launch its new custom-built, higher-power radio system in 2019 that will offer a voice repeater as well as improved packet, APRS, and SSTV capability for more ham operators to enjoy," ARRL ARISS-US Delegate Rosalie White, K1STO, said. . . .

White pointed out that ARISS also serves a lot of individual radio amateurs, in addition to the program's positive impact by supporting school and group contacts with ISS crew members. She said some 10,000 SSTV images transmitted in February were downloaded from the ISS via Amateur Radio, and approximately 89,000 hams took advantage of the ARISS packet system during 2018.



The full-featured TS-890S came on the US market just last year. A long-time ARISS supporter, JVC Kenwood came up with the idea to offer the astronaut-signed transceiver as an exclusive item that just one radio amateur could own.

A 100 W HF/50 MHz transceiver, the TS-890S features a high-speed independent band scope, noise reduction, a 7-inch TFT color display, a built-in antenna tuner, and CW, PSK, and RTTY encoding and decoding capabilities.

"We thank Kenwood and ARRL for their generous support and invite those who don't 'do' auctions to [donate](#) toward the launch of the new ARISS space-bound radio system," White said.

More auction details will soon be posted on the [ARRL website](#). Winning bidders will be

responsible for the costs of shipping, handling, any required customs paperwork.

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



The WWV Building near Fort Collins, Colorado. [Photo courtesy of NIST]

fence simplifying logistics," he said. Swartz hopes Colorado clubs will help make the WWV Centennial a success.

ARRL Field Day 2019 is less than 110 days away! The Field Day website already has updated content for 2019, and more is planned. While there are no substantial changes from prior years, some website text has been updated and clarified. With appropriate software versions and proper setup, the Field Day exchange can now occur using FT8. Make sure the software you are using (e.g. [WSJT-X](#), [MSHV](#)) can support the Field Day exchange, and is set up to do so.

Do we need E-Net Filters for Field Day???

You can't work them if you can't hear them, and unfortunately for we Amateurs, any electronics gear that has wired networking capability also has the potential to generate RFI that can mask the signals we'd like to hear. According to DX Engineering, their ISO-PLUS Ethernet RF Filter "fights common-mode RFI and EMI noise interference for radio frequencies from below 1 MHz to over 100 MHz, including 160 through 6 meter Amateur bands." It works both ways: "Installed on either end of Ethernet cables, ISO-PLUS filters mitigate RFI caused to the Ethernet-connected device. At the same time, they reduce interference to radio receivers and other Ethernet devices caused by RFI or EMI generated by an Ethernet-connected device." [Check the DX Engineering website](#) for more information. (Tim, K3LR) [At \$25 a peice, probably NOT. – ed]

FCC Invites Comments on ARRL Technician Enhancement Proposal

The FCC has invited public comments on ARRL's 2018 [Petition for Rule Making](#), now designated as RM-11828, which asks the FCC to expand HF privileges for Technician licensees to include limited phone privileges on 75, 40, and 15 meters, plus RTTY and digital mode privileges on 80, 40, 15, and 10 meters. Interested parties have 30 days to comment. The Technician enhancement proposals stemmed from the recommendations of the ARRL Board of Directors' Entry-Level License Committee, which explored various initiatives and gauged member opinions in 2016 and 2017.



"This action will enhance the available license operating privileges in what has become the principal entry-level license class in the Amateur Service," ARRL said in its *Petition*. "It will attract more newcomers to Amateur Radio, it will result in increased retention of licensees who hold Technician Class licenses, and it will provide an improved incentive for entry-level licensees to increase technical self-training and pursue higher license class achievement and development of communications skills."

Specifically, ARRL proposes to provide present and future Technician licensees:

- Phone privileges at 3.900 to 4.000 MHz, 7.225 to 7.300 MHz, and 21.350 to 21.450 MHz
- RTTY and digital privileges in current Technician allocations on 80, 40, 15, and 10 meters.

Under the ARRL plan, the maximum HF power level for Technician operators would remain at 200 W PEP. ARRL's petition points to the need for compelling incentives not only to become a radio amateur in the first place, but then to upgrade and further develop skills.

ARRL stressed in its petition the urgency of making the license more attractive to newcomers, in part to improve upon science, technology, engineering, and mathematics (STEM) education.

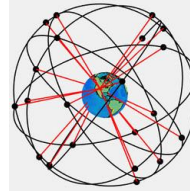
The ARRL Board's ad hoc Entry-Level License Committee, which recommended the proposals, received significant input from ARRL members via more than 8,000 survey responses.

Now numbering some 384,500 licensees, Technicians comprise more than half of the US Amateur Radio population. ARRL stressed in its petition the urgency of making the license more attractive to newcomers, in part to improve upon science, technology, engineering, and mathematics (STEM) education, "that inescapably accompanies a healthy, growing Amateur Radio Service."

ARRL said its proposal is critical to develop improved operating skills, increasing emergency preparedness participation, improving technical self-training, and boosting overall growth in the Amateur Service, which has remained nearly inert at about 1% per year. Read [more](#).

GPS Network May Experience Errors in "Week Number" Rollback

The GPS network will encounter a small millennium bug of its own in April when the network's "week number" rolls back to zero. This known issue especially could affect those who use GPS to obtain accurate Coordinated Universal Time (i.e., UTC). In the GPS network, the number



of the current week is encoded into the message the GPS receives using a 10-bit field. This allows for weeks ranging from zero to 1023. The current period began on August 1, 1999. On April 6, 2019, the week number rolls over to zero and starts counting back up to 1023.

This should not affect later-model GPS receivers that conform to IS-GPS-200 ... A nanosecond error in GPS time can equate to 1 foot of position (ranging) error, according to [DHS-published guidelines](#) that explain the issue and suggest how to address it.

Demand is High as New ARRL Introduction to Emergency Communications Courses Open

The ARRL Lifelong Learning Department has launched a revised and updated *Introduction to Emergency Communications* (EC-001) course, and demand to sign up is prompting the recruitment of additional course mentors to expand the schedule. [Registration](#) just opened for the first of four EC-001 online sessions, which will run from Monday, April 1, until Friday, May 31.

"The demand for this course has exceeded our projections, and the four sessions scheduled for 2019 are already filling quickly," ARRL Lifelong Learning Manager Kris Bickell, K1BIC, said. "This course is designed to be interactive with mentors guiding each session, so we're seeking additional mentors and will schedule more course sessions as quickly as possible. ..."



The new EC-001 course has been beta-tested by course mentors and transferred into a new online learning platform. a decision was made to move the course to a more modern learning management system called Canvas, which will be used while ... program is under development. ...

EC-001 is designed to provide basic knowledge and tools for emergency communications volunteers. With the online format, students can access the course at anytime from anywhere.

"We're very excited to be able to offer *Introduction to Emergency Communications EC-001*," Bickell said. "The Emergency Preparedness staff here has been incredibly helpful to get the course back up and running. Input from previous EC-001 mentors has been an invaluable part of the testing phase.

...

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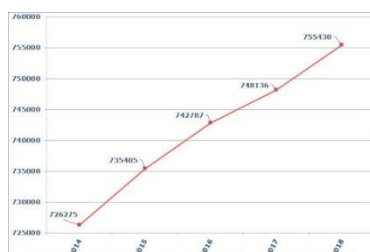


ARRL Lifelong Learning Manager Kris Bickell, K1BIC. [Michelle Patnode, W3MVP, photo]

anywhere during the 9-week period and may work at their own pace and on their own schedule. ... Courses are free of charge. To be eligible, students must meet certain prerequisites, listed on the [registration page](#). The registration page includes the entire 2019 schedule of EC-001 sessions.

US Amateur Radio Population Grows Slightly in 2018 [Repeatted from Feb – ed]

The US Amateur Radio population once again grew by about 1%, based upon 2017 and 2018 year-end FCC database statistics provided by Joe Speroni, AH0A. The 755,430 total licensees represent nearly 7,300 more license holders than those that were in the database at the end of 2017. Nearly 51% of the Amateur Radio population in the US -- 384,145 -- hold a Technician license. Generals are second with 175,949, and Amateur Extras number 147,369. A more significant statistic



is 31,576 *new* FCC licenses last year, although that's 620 fewer than came aboard in 2017.

"New amateur licenses granted by FCC are down 2% over last year," noted ARRL Volunteer Examiner Coordinator (VEC) Manager Maria Somma, AB1FM, "but this is the fifth year in a row the total has been greater than 31,000. I predict that the number of new licensees will be more than 30,000 at the end of this year as well, and I'm optimistic this trend will continue." ...

ARRL VEC filed a total 30,393 license application forms last year, compared to 31,014 in 2017. ... ARRL VEC served 34,493 exam applicants in 2018, compared to 35,352 in 2017. Exam elements administered by ARRL decreased from 47,152 last year to 45,817 this year, Somma said. Nearly 1,800 new Volunteer Examiners (VEs) have been added to the ARRL VEC program.

In Brief...

Tom Rudzinski, SQ9FVE, made Summits on the Air (SOTA) history on February 16 by activating Aconcagua in Mendoza, Argentina.

At 6,962 meters (22,841 feet) above sea level, the mountain is the highest peak in both the Southern and Western hemispheres. An experienced and skilled mountaineer, Rudzinski planned the expedition carefully, including all necessary support. He began his ascent to the summit nearly 2 weeks ahead of his activation, setting up camps and acclimatizing to the elevation en route. He managed five contacts on 2-meter FM, working Argentinian chasers some 90 kilometers (56 miles) away. Rudzinski worked with a group of friends from the Cuyo Radio Club (LU1MA) to activate Aconcagua.



A known bug with the Apple version of the digital QST app may prevent some users from downloading issues of the magazine.

ARRL has confirmed with the developer that version 5.0 of the app, introduced in early February, may produce instances where the app crashes on some devices when the user tries to download an issue of *QST*



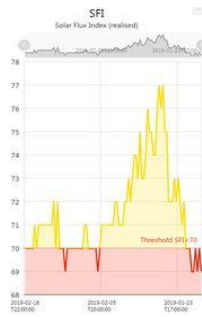
for offline reading. We apologize for this inconvenience, and we are working with the developer to resolve this issue as quickly as possible.

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*

Build A Space Weather Dashboard

NOAA's Space Weather Prediction Center ([SWPC](#)) has started adding a variety of space weather data in the open-standard JavaScript Object Notation (JSON) format, and the SWPC site provides a [root directory](#) for format data. Digital visualization library [amCharts](#) specializes in JavaScript charts and maps for dynamic data display.



A free amCharts license is available in exchange for including a product mention. Jan van den Berg, PA2P, suggests combining NOAA's data with amCharts. Other providers of free charts include [Google Charts](#) and [Chart.js](#).

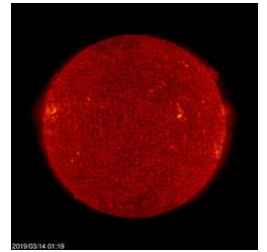
Van den Berg offers [more information and examples](#) on his website. [Contact](#) him for additional information.

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Sunspots reemerged for 8 days, March 5 - 12. The average daily sunspot number rose from 4.4 to 9.9 this reporting week, March 7 - 13. Average daily solar flux barely changed from 70.6 to 70.9. The average planetary A index declined from 12.6 to 5.1, and the average middle latitude A index dropped from 9.7 to 3.9.

The vernal equinox occurs on March 20, when the Southern and Northern hemispheres will be bathed in equal amounts of solar radiation.

Predicted solar flux (March 12 forecast) is 70 on March 14 - 15; 68 on March 16 - 19; 69 on March 20 - 28; 70 on March 29; 71 on March 30 - April 8; 70 on April 9; 69 on April 10 - 24; 70 on April 25, and 71 on April 26. No forecast was posted on March 13, due to some issues at the USAF.



The predicted planetary A index (March 12 forecast) is 8, 12, and 8 on March 14 - 16; 5 on March 17 - 19; 10 on March 20; 5 on March 21 - 25; 12, 30, 28, 14, and 8 on March 26 - 30; 5 on March 31 - April 1; 8 on April 2 - 3; 5 on April 4 - 9; 12, 10, and 8 on April 10 - 12; 5 on April 13 - 15; 10 on April 16; 5 on April 17 - 21, and 10, 26, 24, 12, and 8 on April 22 - 26.

Sunspot numbers for March 7 - 13 were 14, 11, 11, 11, 11, 11, and 0, with a mean of 9.9. The 10.7-centimeter flux was 70.9, 71.8, 70.7, 71.1, 70.4, 70.7, and 70.8, with a mean of 70.9. Estimated planetary A indices were 8, 5, 5, 4, 3, 7, and 4, with a mean of 5.1. The middle latitude A index was 5, 3, 4, 3, 3, 5, and 4, with a mean of 3.9.

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.

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[Share](#) your reports and observations.

Just Ahead in Radiosports

Mar 16 -- AGCW VHF/UHF Contest (CW)
 Mar 16 -- Feld Hell Sprint
 Mar 16-17 - Louisiana QSO Party (CW, SSB, dig)
 Mar 16-17 - Virginia QSO Party (CW, SSB, dig)

March 16 - 17 -- Russian DX Contest (CW, SSB)
 March 16 - 18 -- BARTG HF RTTY Contest
 March 17 -- UBA Spring Contest, SSB
 March 18 -- Run for the Bacon QRP Contest (CW)
 March 18 -- Bucharest Contest (CW, phone, dig.)
 March 19 - 24 -- CLARA Chatter Party (CW, ssb)
 Mar. 30 – CQ WW WPX Contest (SSB)
 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:

Apr 12 - International DX Convention Visalia, Ca

[See article, Page 8 – ed]

April 27 - [RV Radio Network Rally](#), Linwood, NC
 May 31, 2019 SEA-PAC Seaside Oregon

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

Registration has opened for the 70th meeting of the International DX Convention (IDXC).

[repeated from Feb.'19 – ed]

The gathering will take place April 12 - 14 at the Visalia Convention Center. The convention will include Contest Academy training, seminars, keynote presentations, contest and DX forums, and dinners. DXCC QSL card checking will be available. Some three dozen exhibitors will attend. More than 700 avid DXers and contesters looking to improve their skills and reconnect with their peers are expected to attend. -- *Thanks to John Miller, K6MM, and Rich Seifert, KE1B*

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

ARLD011 DX news

This week's bulletin was made possible with information provided by 5B4ALX, 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.

VIET NAM, 3W. Jean-Pierre, F6CTF will be QRV as 3W9JF from Hoi An **from March 16 to April 6**. Activity will be on 80, 40, 20 and 17 meters using CW and SSB. QSL direct to EA5GL.

TOGO, 5V. Members of the EI DX Group are QRV as 5V7EI until **March 26**. Activity is on 160 to 10 meters using CW, SSB and various digital modes with 5 stations active. QSL via M0OXO.

UGANDA, 5X. Members of the Italian DXpedition Team are QRV as 5X3C **until March 25**. Activity is on the HF bands using CW, SSB and RTTY. They are active as 5X3E using FT8. QSL direct to I2YSB.

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

TONGA, A3. Masa, JA0RQV will be QRV as A35JP from Tongatapu Island, IOTA OC-049, from **March 16 to 27**. Activity will be on 80 to 6 meters using CW, SSB and FT8. 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

NIUE, E6. Alex, 5B4ALX will be QRV as E6ET from Niue, IOTA OC-040, from **March 19 to April 2**. Activity will be on 160 to 6 meters, except 80 meters, but including 60 meters, using CW, SSB, RTTY and FT8. This includes being an entry in the upcoming CQ World Wide WPX SSB contest. QSL #1

SPAIN, EA. Special event station EE100V is QRV **during all of March** to celebrate the centennial anniversary of the Valencia Football Club. QSL direct to EA5YJ.

JERSEY, GJ. Kazu, JK3GAD is QRV as MJ0CFW **until March 17**. He will be active as MJ5Z in the Russian DX contest. QSL via LoTW.

CURACAO, PJ2. Andreas, DK5ON is QRV as PJ2/DK5ON **until March 30**. Activity is on 80 to 6 meters, including 60 meters, using CW, SSB, RTTY and FT8. This includes being active in the Russian DX contest. QSL #1

INDIA, VU. Members of the Bangalore Amateur Radio Club are QRV with special call sign AU60BARC **until May 13** to celebrate the club's 60th anniversary. QSL via Club Log.

MYANMAR, XZ. Yuki, JH1NBN will be QRV as XZ2C from **March 20 to 28**. Activity will be on 15, 12, 10 and 6 meters using all modes and QRP power. QSL #1

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

VIET NAM, XV. Andy, DL3YM plans to be QRV as XV9YM from Ho Chi Minh City from **Feb. 16 to Mar. 18**. Activity will be in his spare time on 40 to 10 meters using only CW. QSL#1

Long Term: (longer than 1 month)

THAILAND, HS. Lars, SM6NT is QRV as HS0ZME **until April 9**. Activity is on the HF bands. QSL #1.

SOUTH SUDAN, Z8. Diya, YI1DZ is here [**until end of May 2019-ed**] and will be QRV as Z81D. Activity is on 80 to 10M using SSB and digital modes in his spare time. QSL via OM3JW.

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]

ANTARCTICA. Adam, ZL4ASC is QRV as ZL5A from Scott Base, Ross Island, IOTA AN-011, **during the 2018/2019 season** while on work assignment. Activity is in his spare time. [**Until April 2019 - ed**] QSL #2

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

Possible HARC Special Event 2022 – 75 Years

In November of 2022 it will have been 75 years since the Flight of the H – 1, Hughes' Flying Boat, aka the 'Spruce Goose', better, would have been, the 'Birch Boat' Since it was made almost entirely out of Birch wood.

Lunch Financials – for January 2019:

Attendance: 26

Starting Lunch Kitty:	\$193.25
Expenses: Pizza(4) & Salad	\$105.00
Drinks: Soda: 13 @ 0.31	\$4.00
Water 1 @ 0.25	\$0.25
Food Total:	\$109.25 \$84.00
Income: Lunch:	\$112.50 \$196.50
Room Rent-To General Funds:	\$0.00 \$196.50
Starting - Kitty for Feb. Mtg.:	\$196.50
<u>[Gain of \$3.25 - \$20.00 for room rent = Loss of \$16.75]</u>	

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
<u>[Gain of \$34.25 - \$20.00 for room rent = Gain of \$14.25]</u>	

AMATEUR RADIO LICENSING EXAMS:

TRW Swap meet at the corner of Aviation Blvd and Marine Avenue in Redondo Beach. 10AM in the Northrop cafeteria. Always the last Saturday of the month – no reservation is required.

(www.W6TRW.com)

ARRL Announces Free Exam Review Website

The ARRL has launched a web site that allows users to take randomly generated practice exams using questions from the actual examination question pool. [ARRL Exam Review for Ham Radio™](http://www.arrl.org/ExamReview) 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:

6 AM PDT Thur Apr 4 (1300 UTC) – on CW Frequencies listed above, 10 to 40 WPM

1 PM PDT Thur Apr 18 (2000 UTC)

West Coast Qualifying Runs:

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

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 : 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

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**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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