



# The Transponder



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

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January 11, 2018 Repeater 445.620 – PL 127.3 Web Site: <http://W6HA.com> Vol. XLVI, No. 1

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## *Meeting Notice:*

**Where:** JOSLYN CENTER (in Recreation Park)  
**Location:** 339 Sheldon St. (On Grand, Go 3 blocks East of Main and turn North)

**Date:** Tuesday, January 15, 2018 3rd Tuesdays  
**Time:** Gather, 11:45; **Meeting: 12 to 1:00 PM**

## *Featured Presentation:*

**Digital modes: FT8, DMR, JT65 etc**

## *Up Coming Events:*

January 12 & 19 Technician Licensing Class (in Progress)  
January 20 ARRL VHF contest – HTs OK  
March 2 – Skills Day, Location TBD

## *Nets on the Club's Repeater:*

Wednesday Evenings at 7:30 PM – Hughes ARC members net  
Thursdays about Noon (12:05 PM) Raytheon Emergency Communication Team (ECT)  
1<sup>st</sup> Mondays of the month (7:00 PM) – LAFD CERT

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**Dinner:** Pizza: 1 Large Veggi; 1Lrg Pepperoni; 1Lrg Tower Spcl; 1Lrg ½ sausage, ½ Hawaiian (\$3.50 per slice)  
Prices 2 slices of pizza w/salad, \$7.00; 1 slice of pizza w/salad \$5; Salad only \$4.00  
Sodas: Coke, Coke Zero, Ginger Ale & 7up (\$1.00) - Water (50 cents)

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

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

**Club News:**

**HARC Meeting Moved in January, 2019**

This month, due to remodeling and construction at the library, the Tuesday, January 15<sup>th</sup> Regular Noon meeting will be at the Joslin Center, 339 Sheldon St., El Segundo.

**HNLB-Hughes Net Lunch Bunch, 1/1/19**

**Happy New Year!**

[There was no meeting on the first Tuesday of the month, also of the Year, since it was New Years Day – ed]

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](mailto:nealix@gmail.com)

**Contests for January**

**Jan. 20 -- ARRL VHF Contest – HTs OK**

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**ARRL Letter – Excerpts of possible interest**

**Countdown to 3rd Annual AM Rally Has Begun**

The third annual [AM Rally](#) is on the near horizon - - just about 6 weeks away -- beginning at 0000 UTC on February 2 and continuing until 0700 UTC on February 4. The event aims to encourage the use of AM on 160, 80, 40, 20, 15, 10, and 6 meters while highlighting the various types of AM equipment in use today. The event is open to all radio amateurs running AM using any type of radio equipment -- modern, vintage, tube, solid-state, software-defined, military, boatanchor, broadcast, homebrew, or commercial. It's an incentive to dig out that old AM-capable tube gear that's collecting dust and spider webs in the attic or basement.

"We're very excited about the upcoming AM Rally in February, given its growth over the past 2 years and the positive comments we've received," said Clark Burgard, N1BCG, who is spearheading the event with Steve Cloutier, WA1QIX, and Brian Kress, KB3WFV. "In particular, it's great to hear how so many ops are giving this classic mode a try, many for the first time, and of the help offered to them by those who have mastered the technology."



For many, if not most, radio amateurs getting on AM is as simple as pressing the AM mode button on the front panel.

Numerous transceivers in use today offer AM. A lot of hams enjoy restoring and using vintage Amateur Radio equipment, which typically means a separate trans-mitter and receiver. Until SSB subsumed on the ham bands, AM was the primary HF voice mode.

Today, a group of dedicated radio amateurs keeps the flame alive, getting on AM frequently, and for many of them, AM is their primary operating mode. The AM Rally gives the uninitiated a chance to dip a toe into the pool, so to speak.

The [event website](#) has complete AM Rally details, contact information, award categories, logging, and tips on how to get the most out of your station equipment in AM mode. [Contact](#) Clark Burgard, N1BCG, for more information.



**AM superstar Tim Smith, WA1HLR, with the Gates BC-1T AM broadcast transmitter he helped to restore for occasional use under W1AW or under the ARRL Headquarters Operators Club call sign, W1INF.**

The event is sponsored by Radio Engineering Associates ([REA](#)), in cooperation with ARRL, which supports all modes of Amateur Radio operation. W1AW will play a leading role in the event, as it has for the past 2 years.

Certificates will be awarded to stations scoring the highest number of points in each of the five power

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classes, regardless of rig category, both for most contacts and most states/provinces.

**NIMM Logger+ Update Better Supports RTTY Roundup Participants Using FT8**

An *NIMM Logger+* software update provides some good news for those who are planning to use both RTTY and FT8 in the [ARRL RTTY Roundup](#) on January 5 - 6. *NIMM Logger+* version 1.0.7422,

released on January 1, [includes changes](#) to better support working in conjunction with *WSJT-X* in contests, including color coding of multipliers and duplicate call signs.



The *NIMM Logger+/WSJT-X* interface. Participants in the ARRL RTTY Roundup should be using *WSJT-X* version 2.0 or higher. [Image courtesy of Larry Gauthier, K8UT]

When configured correctly, *WSJT-X* decodes a general call and shows it in the program's left-hand band activity window. It will also be sent to *NIMM Logger+*, which will display that call sign in a new *WSJT-X*-specific window -- new in the January 1 release. The call sign color will be set to red if it's an unworked multiplier, blue if the call sign is a new station but not a new multi, or gray if the call sign is already in the log. Clicking on that call sign in the *NIMM Logger+* window will enter it in *WSJT-X*, poised to be worked using *WSJT-X*.

For stations using RTTY and FT8 in the ARRL RTTY Roundup, the status of any particular call sign or multiplier now will show in either program. Previously, it was not possible to initiate a contact in *WSJT-X* from *NIMM Logger+*.

Switching between RTTY and FT8 (from the *WSJT-X* suite) will require different configurations for *NIMM Logger+* for each mode. Either *NIMM Logger+* or *WSJT-X* can directly control a transceiver at any time, but not both. Using separate .ini (configuration) files for *NIMM Logger+* could ease the process. One configuration would be the "normal" RTTY configuration for *NIMM Logger+*, and the other would be a configuration that doesn't control the rig but does allow contacts to be logged from *WSJT-X*. [See](#) the

*NIMM Logger+* help file for more information. -- Thanks to Larry Gauthier, K8UT, and Brian Moran, N9ADG

**Bulgaria to Host the 2019 Youngsters On The Air Summer Camp**

The 9th Youngsters On The Air ([YOTA](#)) summer camp will be held in Bulgaria, with the Bulgarian Federation of Radio Amateurs (BFRA) hosting the event.

"In this YOTA Camp, we will be continuing with our train-the-trainer program, which will be the main theme of the week," IARU Region 1 Youth Working Group Chair Lisa Leenders, PA2LS, said in [announcing](#) the annual event. "Participants will be working on the future of Amateur Radio and will be involved in workshops where they gain skills to start similar Amateur Radio youth events back home. With this, we are aiming to create a snowball effect [to inspire] more and more YOTA events all over the world. This also allows other youngsters and newcomers to enjoy Amateur Radio."



Leenders said time will be set aside for the campers to enjoy Amateur Radio and to become acquainted with Bulgaria. "Previous events have shown that all participants [have] an unforgettable week, where many new friendships are started," she said.

While primarily an IARU Region 1 event, young radio amateurs from the US in Region 2 and Region 3 also have attended. "We are open for teams outside Region 1," Leenders told ARRL. "Depending on the number of applications we receive, we will decide how many participants outside the region we can support."

Individual IARU member-societies select candidates aged 15 to 25 for the summer camp, which will take place August 11 - 17 near the Bulgarian capital city of Sofia. Interested member-societies should complete the [registration form](#) by **February 1**. There is a limit of 80 participants. -- Thanks to IARU Region 1 Youth Working Group Chair Lisa Leenders, PA2LS, via IARU Region 1 news

## Historic Schooner that Carried Ham Radio on Arctic Expeditions Undergoing Additional Restoration

The nearly century-old schooner *Bowdoin*, built in 1921 and relaunched nearly 3 years ago, after some extensive renovation and refitting, is once again in dry dock to restore its hull. During explorer Donald B. MacMillan's Arctic Expedition of 1923 and on the MacMillan-McDonald-Byrd Expedition of 1925, the sailing vessel relied on Amateur Radio operators for communication. Built in East Boothbay, Maine, the *Bowdoin* has made more than two dozen visits to the Arctic under MacMillan's command. It was named after MacMillan's alma mater, Bowdoin College, and has become the official vessel of the state of Maine, a national historic landmark, and the [flagship](#) of the Maine Maritime Academy (MMA) Vessel Operations and Technology Program. Work on the vessel is currently under way at Boothbay Harbor.

"Our goal is to maintain the boat to the highest standard, to go above and beyond in order to preserve this living piece of history," MMA Marine

Operations Manager Dana Willis said in a December [media release](#). One such preservation update has been supplementing *Bowdoin's* sails with a diesel engine.

In 1923, MacMillan had turned to ARRL for help in outfitting his expedition with better wireless gear, and, as Michael Marinaro, WN1M, explained in his June 2014 *QST* article, "[Polar Exploration](#)," that help "was enthusiastically provided." ARRL Co-Founder Hiram Percy Maxim and the ARRL Board agreed to furnish support and recruited Donald H. Mix, 1TS, of Bristol, Connecticut, to serve as the shipboard operator.



At Wiscasset, Maine, with the schooner *Bowdoin*, ARRL sponsors check out the receiver furnished by Zenith for the 1923 Arctic Expedition. From left to right: F.H. Schnell, 1MO, Traffic Manager; K.B. Warner, 9JT, Secretary-Manager, and Hiram Percy Maxim, 1AW, ARRL President.

Board member M.B. West custom-designed the equipment, which was built by radio amateurs at his firm, Zenith Electronics. The transmitter operated on medium-wave frequencies with a power of 100 W and used the call sign WNP -- for "Wireless North Pole."



The *Bowdoin* is launched from Wiscasset, Maine, for the 1923 MacMillan Arctic Expedition.

As Marinaro explained in his article, "WNP transmitted weekly 500-word press releases and listings of stations worked and heard. Once received by amateur stations, these reports were delivered to local affiliated newspapers of

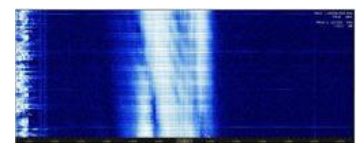
the North American Newspaper Alliance; from there, they were distributed syndicate-wide by telegraph."

In 1925, the *Bowdoin* headed to Greenland. "The outstanding accomplishment of the expedition was in the sphere of radio," Marinaro wrote. "Utilizing shortwaves, the expedition was in consistent contact with the outside world throughout the journey, to the delight of the amateurs who were able to work them. The phenomenal success proved to the Navy that shortwaves were definitely superior to the long and ultra-long waves on which the fleets had been relying."

The *Bowdoin* is expected to be seaworthy again for the summer sailing season, when it will serve once again in MMA sail training courses. -- *Thanks to Maine Maritime Academy.*

## Broadcasters Intruding on Exclusive Amateur Radio Frequencies

The International Amateur Radio Union Region 1 ([IARU-R1](#)) Monitoring System (IARUMS) reports that Radio Hargeisa in Somaliland has returned to 7,120 kHz after a break of several weeks, while Radio Eritrea has been reported on 7,140 and 7,180 kHz. Radio Sudan has been transmitting on 7,205 kHz with excessive splatter, IARUMS said. German



The signal of a Russian over-the-horizon radio on 20 meters. [Photo courtesy of Wolf Hadel, DK2OM]

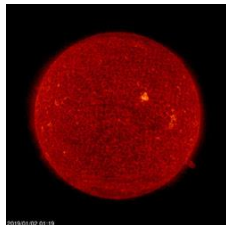
telecommunications authorities have filed official complaints.

IARUMS has also reported digital signals attributed to the Israeli Navy on 7,107 and 7,150 kHz. In addition, a Russian military F1B signal was observed in mid-November on 7,179 kHz. A Russian over-the-horizon radar has returned to 20 meters on 14,335 - 14,348 kHz. It was monitored on November 22.

IARUMS has received reports of short "beeps" exactly 1 second apart, as well as frequency hopping between 10,108 and 10,115 kHz and 18,834 and 18,899 kHz. The signals are believed to emanate from a site near Chicago associated with an FCC-licensed experimental operation involved with low-latency exchange trading on HF (see "[Experiments Look to Leverage Low-Latency HF to Shave Microseconds off Trade Times](#)"). Although Amateur Radio is secondary on 30 and 17 meters, Experimental licenses may not interfere with Amateur Radio operations.

**The K7RA Solar Update**

Tad Cook, K7RA, Seattle, reports: Sunspots returned with the New Year, with sunspot numbers of 13 and 16 on January 1 - 2, resulting in an average daily sunspot number of 4.1 for the week (December 27 - January 2), compared to zero for the previous 7 days. The average daily solar flux rose slightly from 70 to 70.4, the average daily planetary A index increased from 4.9 to 9.3, and the average mid-latitude A index went from 4 to 7.6.



Predicted solar flux for the next 45 days is 75 on January 3 - 6; 72 on January 7; 70 on January 8 - 9; 71 on January 10 - 19; 69 on January 20 - February 2; 71 on February 3 - 15, and 69 on February 16.

The predicted planetary A index is 5, 14, 20, 14, and 8 on January 3 - 7; 5 on January 8 - 15; 12 on January 16; 5 on January 17 - 23; 20, 12, 12, and 10 on January 24 - 27; 5 on January 28 - 30; 12 on January 31; 15, 15, and 8 on February 1 - 3; 5 on February 4 - 11; 12 on February 12, and 5 on February 13 - 16.

Sunspot numbers for December 27 - January 2 were 0, 0, 0, 0, 13, and 16, with a mean of 4.1.

The 10.7-centimeter flux was 68.5, 69.3, 69, 69.4, 69.3, 71.9, and 75.2, with a mean of 70.4. Estimated planetary A indices were 5, 24, 11, 10, 7, 6, and 2, with a mean of 9.3. Estimated mid-latitude A indices were 5, 19, 9, 7, 7, 5, and 1, with a mean of 7.6.

[Share](#) your reports and observations.

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**In Brief...**

**FEMA Region 10 will conduct monthly communications exercises (COMMEX) on the third Wednesday of each month, starting on January 16, 1730 - 1900 UTC.** Amateur Radio operators are invited to take part. The intent of these exercises is to test and exercise interoperable communication (federal/state/local/tribal/Amateur Radio) during a major disaster in which the communication infrastructure is significantly damaged or destroyed. FEMA Region 10 will use the call sign WGY910. Other stations associated with agencies and organizations that provide response support in accordance with the National Response Framework are encouraged to participate. The COMMEX will use these "dial" or "window" frequencies on 60 meters -- including 5,330.5 kHz, 5,346.5 kHz, 5,357.0 kHz, 5,371.5 kHz, and 5,403.5 kHz -- as part of the exercise. The area of operation is the continental US.

**The latest General-class Question Pool, effective July 1, has been released.**

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

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

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*

### **Just Ahead in Radiosports**

January 12 -- YB DX Contest (Phone)  
 January 12 -- Old New Year Contest (CW, phone)  
 January 12 - 13 -- UBA PSK63 Prefix Contest  
 Jan. 12 - 13 -- SKCC Weekend Sprintathon (CW)  
 January 12 - 13 -- [North American QSO Party, CW](#)  
 January 13 -- NRAU-Baltic Contest (SSB)  
 January 13 -- NRAU-Baltic Contest (CW)  
 Jan. 13 -- DARC 10-Meter Contest (CW, phone)  
 January 13 -- RSGB AFS Contest (SSB)  
 January 13 - 16 -- Classic Exchange (CW)  
 January 14 -- 4 States QRP Group Second Sunday Sprint (CW, phone)  
 January 17 -- NAQCC CW Sprint  
**Jan. 20 -- ARRL VHF Contest – HTs OK**

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.

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

- January 20 - 26 -- [Quartzfest Convention](#), Quartzsite, Arizona
- February 15 - 16 -- [Southwestern Division Convention](#), Yuma, Arizona
- February 23 -- [New Mexico TechFest](#), Albuquerque, New Mexico
- April 12, 2019 International DX Convention, Visalia, Ca
- May 31, 2019 SEA-PAC Seaside Oregon

Find conventions and hamfests in your area.

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

### **ARLD002 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.

BARBADOS, 8P. Willy, KB8YRX will be QRV as 8P9CA **from January 15 to Feb 4<sup>th</sup>**. Activity will be on 20 meters and FT8. QSL#1.

GHANA, 9G. Ruetger, DL8MEZ is QRV as 9G5RV until **January 26** while on a training mission for medical personnel. He plans to show up daily on Med-Net and Intermar on 20M. QSL#2

SIERRA LEONE, 9L. A large group of operators are QRV as 9LY1JM from Banana Island, IOTA AF-037, **until January 21**. Activity is on 160 to 10 meters using CW, SSB, RTTY, PSK and FT8 with four stations active. QSL via F5GSJ.

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

GUADELOUPE, FG. Jean-Pierre, F6ITD will be QRV as FG/F6ITD from La Desirade Island, IOTA NA-102, from **January 14 to March 13**. Activity will be on 80 to 6 meters using CW, SSB and various digital modes. He will also be active as TO7D in various contests. QSL #1  
 GALAPAGOS ISLANDS, HC8. Gerhard, OE3GEA will be QRV as HC8GET from Santa Cruz, Isabela, and San Cristobal Island from **January 13 to 25**. Activity will be on the HF bands. QSL #1

DOMINICAN REPUBLIC, HI. Holger, DK1FY is QRV as HI5/DK1FY/p **until January 19**. Activity is on 40 to 10 meters using CW and SSB. QSL#1

PANAMA, HP. A group of operators will be QRV as H33J from Volcan, Chiriqui Province, from **January 13 to 31**. Activity will be on 160 to 10M using CW, SSB, RTTY, and FT8, on the low bands and FT8. QSL via JA1HGY.

JAPAN, JA. Special event station 8N8SSF is QRV until **February 11** during the 70th Sapporo Snow Festival on Ishikari Island, IOTA AS-078. Activity is on the HF bands. QSL #3

SEYCHELLES, S7. Mike, OE6MBG is QRV as S79AA from Mahe, IOTA AF-024, until February

2. Activity is on 160 to 10 meters, and 6 meters as conditions permit, using CW and SSB. QSL #1

TUVALU, T2. Antoine, 3D2AG is QRV as T2AR from Funafuti until **January 31**. Activity is on the HF bands, including 160 meters. QSL #1  
In addition, Apinelu, T2AT is QRV on the HF bands using FT8. QSL via N7SMI.

ST. KITTS AND NEVIS, V4. Bernie, W3UR and Becky, N3OSH are QRV as V47UR from Calypso Bay, St. Kitts Island, IOTA NA-104, **until Jan. 20**. Activity is holiday style on 160 to 6 meters using CW and SSB. This includes being an entry in the North American CW QSO Party. QSL #4.

INDIA, VU. Members of the West Bengal Radio club are QRV with special event call AU2HAM from Ganga Sagar Mela Island, IOTA AS-153, **until January 17**. Activity is on the HF bands. QSL via VU2NRO.

CAYMAN ISLANDS, ZF. Pete, K8PGJ will be QRV as ZF2PG from Grand Cayman Island, IOTA NA-016, from **January 12 to 20**. Activity will be holiday style on the HF bands using SSB. This includes being an entry in the upcoming North American SSB QSO Party. QSL #1

WEST MALAYSIA, 9M2. Rich, PA0RRS is QRV as 9M2MRS from Penang Island, IOTA AS-015, **until February 15**. Activity is on the HF bands using CW, RTTY, PSK and FT8. QSL#1

SCOTLAND, GM. Special event station GB2KW is QRV near Inverness **until January 28** using vintage gear. QSL via LoTW.

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

SEYCHELLES, S7. Mike, OE6MBG is QRV as S79AA from Mahe, IOTA AF-024, **until February 2**. Activity is on 160 to 10M, and 6M as conditions permit, using CW and SSB. QSL #4.

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.

TUVALU, T2. Antoine, 3D2AG is QRV as T2AR from Funafuti until January 31. Activity is on the HF bands, including 160 meters. QSL#1  
In addition, Apinelu, T2AT is QRV on the HF bands using FT8. QSL via N7SMI.

ST. KITTS AND NEVIS, V4. Bernie, W3UR and Becky, N3OSH will be QRV as V47UR from Calypso Bay, St. Kitts Island, IOTA NA-104, from **January 8 to 20**. Activity will be holiday style on 160 to 6 meters using CW and SSB. QSL#4.

**New DX, IOTA & SOTA listings this month:**

GHANA, 9G. Kay, 9G5SA is QRV as 9G2HO from Ho Technical University's club station. **[Listed Dec 2018]** Activity is on 17M. QSL#4

ANTARCTICA. Felix, DL5XL is QRV as DP1POL from station Neumayer III, **IOTA AN-016, until the end of February 2019**. Activity is on the HF bands using mostly CW and digital modes. QSL via DL1ZBO.

SOUTH COOK ISLANDS, E5. Milan, OK1DWC is QRV as E51DWC from Rarotonga, **IOTA OC-013 on 160 - 10M using CW, SSB RTTY. [listed Dec 2018 – ed]** QSL #1

NEW CALEDONIA, FK. Phil, F6OBD will be QRV as FK/F6OBD **from Dec. 18 to Feb. 10, 2019**. Activity will be holiday style on the various HF bands using digital modes. QSL #1

GABON, TR. Roland, F8EN will be QRV as TR8CR **until March, 2019**. Activity will be on 40 to 17M, and possibly 80M, using CW & SB. QSL via F6AJA.

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.

THE GAMBIA, C5. Andre, ON7YK is QRV as C5YK until **Mar 9, 2019** on 60 to 10M using FT8, with some CW & SSB. QSL#1 after Mar 15, 2019.

CURACAO, PJ2. Anders, SM4KYN will be QRV as PJ2/SM4KYN until **January 14, 2019**. Activity is on the HF bands. This includes being active as

PJ2T in the ARRL 10-Meter contest. QSL direct to home call, and PJ2T via W3HNK.

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

**ANTARCTICA**

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

ANTARCTICA. Danilo, IZ1KHY is QRV as IA0/IZ1KHY until the **end of Feb. 2019** while involved in several scientific & research projects at some of the remote camps. QSL #1

**2019**

SAO TOME AND PRINCIPE, S9. Helio, CT1ENW is QRV as S92HP from Sao Tome City, **until Jan. 31, 2019**. Activity is on the HF bands, and 6M, using CW, SSB & digital modes. QSL #1

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**

Saint Marie Island, IOTA AF-090, Eric, F6ICX is QRV as 5R8IC, **until mid Feb. 2019**. Activity is holiday style on 40 to 10 meters using mainly CW, with some SSB, RTTY, and PSK63. QSL #1

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

MADAGASCAR, 5R. Eric, F6ICX will be QRV as 5R8IC from Sainte MarieIs land, IOTA AF-090, **from November 5 to February 2019**. Activity will be holiday style on the HF bands using CW, SSB, some RTTY, and PSK. 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 November 2018:**

**Attendance: 23**

Starting Lunch Kitty:	\$203.50
Expenses: Pizza(4) & Salad	\$100.00
Chkn Ceasar Salad	\$12.00
Drinks: Soda: 8 @ 0.41	\$3.25
Water 2 @ 0.25	\$0.50
Food Total:	\$115.75   \$87.75
Income: Lunch:	\$88.00   \$175.75
<u>Room Rent-To General Funds:</u>	<u>\$0.00   \$175.75</u>
Starting - Kitty for Dec.. Mtg.:	\$175.75

**Loss of \$27.75 - \$20.00 for room rent = Loss of \$47.75]**

Small price increase to help cover Higher room rent would be apropos.

**Lunch Financials – for December 2018:**

**Attendance:**

Starting Lunch Kitty:	\$175.75
Expenses: Pizza(4) & Salad	\$102.00
Drinks: Soda: 12 @ 0.31	\$3.75
Water 1 @ 0.25	\$0.25
Food Total:	\$106.00   \$69.75
Income: Lunch:	\$123.50   \$193.25
<u>Room Rent-To General Funds:</u>	<u>\$0.00   \$193.25</u>
Starting - Kitty for Jan. 2019 Mtg.:	\$193.25

**[Gain of \$17.50 - \$20.00 for room rent = Loss of \$2.50]**

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**AMATEUR RADIO LICENSING EXAMS:**

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

([www.W6TRW.com](http://www.W6TRW.com))

**ARRL Announces Free Exam Review Website**

The ARRL has launched a web site that allows users to take randomly generated practice exams using questions from the actual examination question pool. [ARRL Exam Review for Ham Radio™](#) is *free*, and users do *not* need to be ARRL members. The only requirement is that users must first set up a site login (this is a different and separate login from your ARRL website user registration).

**Other Free Exam Practice Sites:**

<http://aa9pw.com/radio/technician/>

<http://www.eham.net/exams/>

This Practice Exam site Requires Registration

<https://www.qrz.com/hamtest/>

**ARRL LAX Section Officers:**

Section Manager: Diana Feinberg, AI6DF

PO Box 4678

Palos Verdes Peninsula. Ca 90274-9618

[AI6DF@arrl.org](mailto:AI6DF@arrl.org) or 310-544-2917

LAX SEC : JIM STOKER AG6EF

4555 ENCINAS DR

LA CANADA FLINTRIDGE CA 9101

818 790 2832

LAX Section Traffic Mngr: Kate Hutton, K6HTN

For Radiogram formatting instructions go to

[www.ARRLAX.org](http://www.ARRLAX.org) .

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

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

Links: TRW license test

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

**PodCast – Amateur Radio News**

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

On-Line Stores / suppliers:

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

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

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

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

<http://www.dxengineering.com>

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

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

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

ARRL <http://arrl.org>

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

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

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

**HARC Past 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
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
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

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 PST Thur Jan 17 (1400 UTC) – on CW Frequencies listed above, 10 to 35 WPM

4 PM PST Wed Feb 6 (0000 UTC Feb 7)

1 PM PST Thur Feb 21 (2100 UTC)

**West Coast Qualifying Runs:**

9 PM PST Wed Jan 30 (0500 UTC Jan 31) by K9JM on 3590 kHz, 10 to 35 wpm

9 PM PST Wed Feb 27 (0500 UTC Feb 28) 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/](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.

[ - - - - -by K6KPH - 3581.5, 7047.5, 14047.5, 18097.5 & 21067.5 kHz 10-40wpm ]

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

**HAC HF NET: HARC & Retired** 14.233 Mhz, Tuesdays, 13:00 PDT – Currently Inactive

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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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