



# The Transponder



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

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

## Meeting Notice:

Where: El Segundo Library - Friends of the Library Conference Room  
Location: 111 Mariposa Ave (near Main Street) , El Segundo, CA

Date: **Wednesday, November 14, 2018** (usually, 3rd Tuesdays, but NOT this month)  
Time: Gather, Eat, Network 6 to 7 PM; Meeting: 7 to 8:30 PM

## Featured Presentations:

Rick, N6IET, will demo his Portable Loop Antenna.  
Mike, N6MDV, NVIS dipole & an ELK LPA Beam antenna  
Simple 10 Meter (also 40) Vertical & others – Dale, WB6MMQ

## Up Coming Events:

November 14 – Wednesday Evening meeting, Gather 6:15, Mtg 7:00 to 9:00 PM (New)  
~~December 1, 2018 – Ray Miller 50/50 Ultimate Race, Pt. Mugu State Park~~ (Due to fire)  
December 8, Saturday ARRL 10 Meter Contest (Tech class License is just fine)  
January 12 & 19 Technician Licensing Class  
January 20 ARRL VHF contest – HTs OK  
February 2<sup>nd</sup> Sean O’Brien 50/50 ? (likely cancelled or moved)

## Nets on the Club’s Repeater:

Wednesday Evenings at 7:00 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 (\$3.00 per slice)  
Prices 2 slices of pizza w/salad, \$6.50; 1 slice of pizza w/salad \$5; Salad only \$3.50  
Sodas: Coke, Coke Zero, Ginger Ale & 7up (\$1.00) - Water (50 cents)

Or Special order from Menu also attached

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

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

**Club News:****Yahoo Groups**

Richard, KM6FP, has setup Yahoo Groups for the Hughes ARC. For those wishing to join the Yahoo! group W6HA, you can simply go to: <http://groups.yahoo.com/w6ha>.

From there you can make a request to join.

- Richard, KM6FP

**HNLB-Hughes Net Lunch Bunch, 11/6**

1<sup>st</sup> Tuesday Lunch Bunch, was held.

We had six to eight stalwarts, discussing the Ham and other news of the day.

No report from Betty, who reported some difficulty with her computer or e-mail service earlier this month.

Dale, WB6MMQ

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:**

Last month's Items all sold! *No New listings*

**November Meeting – New day And Time**

The November meeting will be in the evening on **Wednesday**, the 14<sup>th</sup> from 7 to 9 PM. Folks may gather as early as 6:15 at the Library.

**Contests for November & December**

Also, the **ARRL SweepStakes** is in November. The **Phone** version is on **November 17-19**. This is one of the great old standard contests. (See this page, bottom of next column for more on SS.)

Also, Saturday and Sunday, December 8 - 9 is the **ARRL 10 Meter** contest. Because the club has a many Technician class operators, the club has been entering this contest for the last couple of years. Technicians have a piece of the 10 meter band from 28.300 to 28.500 mHz (for SSB phone) so all members can participate in this international HF contest. Contesters like to operate where the most Hams can get on the air, so they will gravitate to this part of the 10 meter band. (for CW you can go down to 28.000 mHz)

Even with Sun spots down there is still some Gray Line action around sunrise and sunset for Trans equatorial QSOs. So, likely times to operate are from the opening at 4 PM Friday to perhaps as late as 7 or 8 PM and then again Saturday morning

from 6 AM to 11 AM. On Saturday afternoon, it'll be getting dark on the East coast about 2 PM our time until 7 PM. On Sunday morning there is another chance for Gray line activity. The contest is over at 3:59 PM, so not much chance for more activity in the late afternoon. It's a 48 hour contest, but these several 3 or 4 hour periods are when the most operators will be active because that's when DX QSOs are most likely.

When there are good sun spots 10 meters can be open to the East coast all afternoon. There is always a chance that the sun has a little surprise planned for us, on one day or the other. For Club members that are in the contest, it's within the rules for us to work each other. I think a good time for that would be after most of the gray line action (and dinner) is over, on Friday evening about 7:15 to 7:30 PM on **28.450 mHz +/- QRM**. Of course, it's fine to work another club member anytime you hear him. At the meeting I will demo a 10 meter Vertical Antenna that you can put up on your roof while hanging your Christmas lights after T.G.

Be sure to send in your log within the seven day Log submittal Deadline, to: <http://contest-log-submission.arrl.org> even if it does not seem too impressive and show the Club Name as 'Hughes ARC'. Rules: [www.arrl.org/10-meter](http://www.arrl.org/10-meter) Happy DX hunting!

Dale, WB6MMQ, Editor

**ARRL Letter – Excerpts of possible interest****Achieving a "Clean Sweep" is the Brass Ring of ARRL November Sweepstakes**

[ARRL November Sweepstakes](#) (SS) is just ahead.

The popular operating events -- one for CW and the other for phone

(SSB) -- typically attract approximately 3,000 logs combined.

For this 77th running ARRL November Sweepstakes, the

**phone is November 17 - 19 (UTC)**, starting at 1:00 PM (2100 UTC) on Saturday and running through 6:59 PM Sunday (0259 UTC Monday). Stations may operate 24 of the available 30 hours. **Logs are due within 7 days after the event is over.** Last year saw 1,275 entries for the CW weekend, while the phone weekend attracted 1,674 logs.



The challenge of SS -- or "Sweeps" -- is to work as many stations in as many of the 83 [ARRL and Radio Amateurs of Canada \(RAC\)](#) sections as possible within the 24 hours available to operate. The number of sections worked is a score multiplier. Making a "clean sweep" is the goal of many SS aficionados -- [working all 83 of the available US and Canadian multipliers](#), and therefore qualifying for a clean sweep coffee mug. In the 2017 CW event, only 10 operators managed to work them all. Phone participants had better luck, with 78 clean sweeps. Last year, Puerto Rico (PR) and the US Virgin Islands (VI) were still reeling from devastating hurricanes, making those sections rare.

At one time, the most difficult SS multiplier was Northern Territories (NT) in Canada, where J. Allen, VY1JA, in Yukon Territory, was often the only station available. That's changed now that the VY1JA station not only has been thoroughly upgraded but can be remotely operated (as VY1AAA), although by a Canadian operator, thanks to Gerry Hull, W1VE/VE1RM, who told ARRL this week that VY1AAA is ready for SS action.

Other hard ones in 2017 appear to have been Alberta (AB), Northern New York (NNY), US Virgin Islands (VI), and Wyoming (WY).

SS is a "domestic" contest with broad appeal, and even stations with modest equipment and antennas can enjoy success. Many stations like to operate in the QRP category (output of 5 W or less), although that challenge is more daunting at this point in the solar cycle.

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**SS and the Traffic-Handling Tradition**  
[ARRL November Sweepstakes](#) is the oldest domestic radiosport event (the first was in 1930). The SS contest exchange has deep roots in message-handling protocol and replicates a radiogram preamble. In SS, stations exchange:

- **A consecutive serial number (NR)**. Operators do *not* have to add leading zeros on numbers less than 100.
- **Operating category** -- **Q** for Single Operator, QRP; **A** for Single Operator, Low Power (up to 150 W output); **B** for Single Operator, High Power (greater than 150 W output); **U** for Single Operator, Unlimited, regardless of power; **M** for Multioperator, regardless of power, and **S** for School Club.

- **Your call sign**.
- **Check (CK)** -- the last two digits of the year of first license for either operator or station.
- **Section** -- [ARRL/RAC Section](#).

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"Casual operators are very important to SS, so I would advise that if you come across [operators] who just want to help you out with a QSO, take the time to walk them through the proper exchange sequence, and encourage them to work other stations and to submit a log," said now-retired SS Manager Larry Hammel, K5OT. "Your patience might be rewarded with a motivated op next year!"

The SS *Operating Guide* package, available for [download](#), explains how to participate in the Sweepstakes, including all rules and examples of log formatting. Read [more](#). -- *Thanks to Gerry Hull, W1VE; Larry Hammel, K5OT, and Bart Jahnke, W9JJ*

### ***New Islands on the Air Groups Announced***

Islands on the Air ([IOTA](#)) General Manager Roger Balister, G3KMA, recently announced the first



tranche of six new IOTA groups. Release of the new groups came in the wake of an August solicitation for possible new groups. The new groups cover a Swedish/Finnish joint sovereignty island and groups

in North America, Asia, and Oceania. All new groups have provisional numbers, which means they will need to be confirmed by an operation that takes place after October 14, 2018, and that meets the 1,000 QSO requirement, as well as other normal validation requirements. Only after confirmation of the number will credit for past operations be considered.

1. **EU-192P** Kataja Island, Finland/Sweden (Kataja), a split-sovereignty island located in the very north of the Gulf of Bothnia.
2. **OC-297P** Morane Atoll, Tuamotu Islands, French Polynesia (Morane), a new "remote island" group, this was previously an outlier of the OC-113 Actaeon group.

3. **NA-249P** Puerto Rico Coastal Islands, Puerto Rico (Caja de Muertos, Culebra, Culebrita, Mona, Monito, Vieques), a new "coastal islands" group.
4. **NA-250P** Yakutat County Group, Coastal Groups, US (Alaska) (Fitzgerald, Gregson, Khantaak, Knight, Kriwoi, Krutoi, Otmeloi), a new "coastal islands" group created by splitting the current NA-161 Skagway - Yakutat County group.
5. **AS-205P** Bering Sea Coast East group, Koryanskiy Avtonomnyy Okrug, Russian Federation - Asia (Yoanna Bogoslova, Vasiliya Islands), a new "coastal islands" group, created by splitting the current AS-064 Bering Sea Coast group.
6. **AS-204P** Kuril'skiye Islands North, Sakhalinskaya Oblast, Russian Federation - Asia (Atlasov, Shumshu, Paramushir, Antsiferova, Makanrushi, Onekotan, Kharimkotan, Chirinkotan, Ekarma, Shiashkotan, Raikoke, Matua, Rasshua, Ushishir, Ketoy, Simushir), a new group created by splitting AS-025 Kuril'skiye Islands.

Balister said he hopes to announce a second tranche of new IOTA groups at the HAM RADIO convention in Friedrichshafen, Germany, in June 2019.

### ***Special Call Signs Commemorate Centenary of World War I Armistice***

Several countries around the world have authorized the use of special call signs or prefixes to mark the centenary of the armistice that marked the end of hostilities on the Western Front of World War I. The initial armistice took effect on November 11, 1918, at 11 AM (the Treaty of Versailles that officially ended World War I was not signed until the following year). Formerly known as Armistice Day in the US and in other countries, November 11 later became recognized as Veterans Day in the US, and as Remembrance Day in others, as a day to honor veterans of the armed services from all wars and conflicts.

While not a special prefix, WW1USA -- the call sign of the National World War I Museum Amateur Radio Club -- was on the air from the

National World War I Museum and Memorial in Kansas City, Missouri, over the November 3 - 4 weekend. Other allied countries that took part in World War I will host special event Amateur Radio stations or call signs to commemorate the centenary of the Armistice.

In the UK, special event station GB100ARM will be on the air until November 28, operated by the HMS *Belfast* Radio Group. Operation will take place from the bridge wireless office aboard HMS *Belfast*.



The Wireless Institute of Australia (WIA) has secured special event call signs for use across all Australian states and territories to commemorate the signing of the Armistice. These will take the form VI#PEACE and VI#LWF, depending upon Australian call district -- 1 through 0. Listen, too, for VI100PEACE and VI9PEACE from Christmas Island. These call signs will be available for use from November 3 to November 11.

In Belgium, radio amateurs may use the OP prefix instead of ON during November as part of the 100th anniversary. The "P" stands for "poppies." The association between poppies and Armistice Day (and, later, Veterans Day and Remembrance Day) was inspired by the World War I poem "In Flanders Fields," by John McCrae, which refers to poppies as the first flowers to grow in the earth above soldiers' graves in the Flanders region of Belgium. Veterans groups in some countries hand out paper poppies in conjunction with Veterans Day/Remembrance Day observances.

Additional stations include France's TM5PAX, which is active on all bands and modes through November 11, and South Africa's ZS100WWI, which is on the air for the entire month of November.

## ARISS Plan Under Consideration for NASA's Deep Space Gateway Program

Amateur Radio on the International Space Station ([ARISS](#)) International delegates were pleased to learn last week that an ARISS plan is under consideration by NASA's Deep Space Gateway ([DSG](#)) program. NASA Gateway Utilization Manager John Guidi, ex-KF4YUI, informed those attending the annual ARISS-International in-person meeting, held in College Park, Maryland, that ARISS is the only noncommercial entity whose ideas are under study by the program. The ARISS plan focuses on Amateur Radio communication, including optical communication channels, as well as equipment development, team cooperation, education, and public outreach.

"Naturally, because the NASA Deep Space Gateway program is so new and has yet to be fleshed out, ARISS needs to follow NASA's lead in being open to how the DSG program flows," ARISS-US Delegate for ARRL Rosalie White, K1STO, explained. "ARISS's first moves need to be loose enough that the plan, development, and execution can go in ways that dovetail with what is needed."

The Deep Space Gateway would be a small outpost orbiting the moon that would act as a "spaceport for human and robotic exploration to the moon and beyond," NASA has said. Crewed by four people, it would provide an operational platform for further exploring the lunar surface and a hub to deeper space destinations. NASA hopes to have the completed Gateway in lunar orbit as early as 2024.

The ARISS-International annual meeting on October 17 - 19 ran back to back with the first-ever ARISS Education Summit, held October 15 - 16. At the ARISS-International sessions, delegates and team members from around the world presented and listened to talks on all aspects of ARISS, from operations to education to hardware -- current and upgrades -- to future projects. The team heard the latest news on HamTV, the Interoperable Radio System, the antenna change-out required by the European Space Agency's *Bartolomeo* platform, and proposed [Astrobee](#) activities, HamTV II, and Radio-Pi projects.

Astrobee is a robot that will fly around the ISS with the astronauts to help scientists and engineers

develop and test technologies for use in zero-gravity, aid astronauts with routine chores, and offer Houston flight controllers additional eyes and ears on the spacecraft.

Team members enjoyed viewing a live-streamed ARISS contact in Belgium. Team members unable to travel to Maryland were able to teleconference into the sessions.

On hand for the earlier ARISS Education Summit were teachers from the US and elsewhere; ARISS-US Education Committee members; STEM educators from College Park Airport Museum; education leaders from various NASA entities, including the Space Communications and Navigation (SCaN) office, nearby Goddard Space Flight Center (GSFC), and the manager of the ISS US National Laboratory -

- Center for the Advancement of Science in Space ([CASIS](#)); a group of SCaN-sponsored mid-Atlantic teachers, and University of



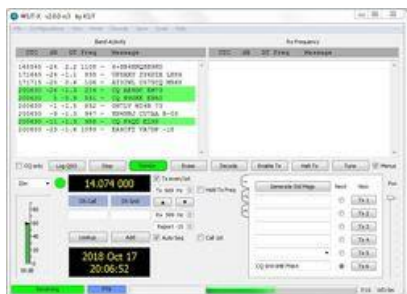
NASA Gateway Utilization Manager John Guidi, ex-KF4YUI, spoke at the annual ARISS International in-person meeting.

Maryland educators and students. Attendees saw a demonstration of ARISS slow-scan television (SSTV) and several ham satellite contacts. ARISS-US Education Committee teacher Melissa Pore, KM4CZN, arrived from Virginia with eight of her students, who talked about their ARISS-related STEM studies. Read [more](#). -- *Thanks to Rosalie White, K1STO*

## Practice Makes Perfect with FT8 and Other WSJT-X Protocols

FT8 co-developer Joe Taylor, K1JT, recommended in a recent post to the [Pack Rats reflector](#) that those planning to use FT8 or other [WSJT-X](#) protocols, such as MSK144, should practice using the software before jumping into a contest or other activity. A short [FT8 demonstration contest](#) will take place on Thursday, October 25, 0200 - 0300 UTC (Wednesday, October 24, in North American time zones).

"[O]ne thing is for sure: Downloading the software and trying it out a week before the contest is *not* a good plan, either for you or for those of us who



write and polish the software," Taylor said. "You need practice and experience with the software before the contest." Taylor reminded readers that the original

motivation for developing nearly all of the *WSJT-X* modes was VHF DXing and contesting; however, the software became very popular on HF. A couple of major DXpeditions have included FT8 in their mix of modes, and FT8 lately has been edging into the contesting arena, with its inclusion in the ARRL RTTY Roundup in 2019.

FlexRadio CEO Gerald Youngblood, K5SDR, recently [suggested](#) that FT8 has attained "killer app" or "tipping point" status in Amateur Radio. The protocol permits working stations on seemingly "dead" bands, countering the current dearth of sunspots, Youngblood pointed out, and also lets operators of modest or antenna-restricted stations work HF DX, just like larger, well-equipped stations.

"In my humble opinion, FT8 is at the very heart of what Amateur Radio has been about from its inception -- amateurs who love the art of radio enhancing the art of radio," Youngblood wrote. He continued,



**FlexRadio CEO Gerald Youngblood, K5SDR.**

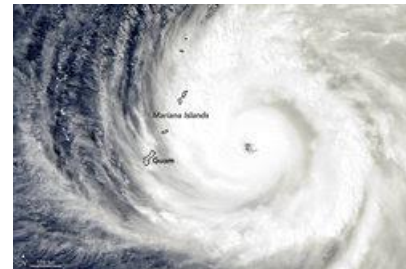
speculating, "What will ultimately kill Amateur Radio is not FT8. To the contrary, FT8 is an example of what will keep it alive and relevant. What will kill Amateur Radio is if we cease to innovate, become old and grumpy, and no longer bring new blood into the hobby."

Taylor believes that digital modes, such as FT8, can significantly boost contact and multiplier totals in contests that permit its use, not to mention in efforts to attain DXCC and other awards. "How

best to merge digi-modes into your operating plan, along with CW and SSB, will be different for each station and each operator," he said. Read [more](#).

## Ham Aid Kits Positioned to Deploy as Typhoon Yutu Ravages Central Pacific Islands

In a little more than one day, the cyclone that became Super Typhoon Yutu grew from tropical storm to a Category 5



monster. Yutu is said to be the strongest storm on record to hit the Northern Mariana Islands, home to about 55,000 people. The storm made landfall on Wednesday evening (October 24), destroying homes, wreaking severe wind and storm-surge damage and flooding, and knocking out water, power, and telecommunications on the islands. Utilities could remain down for an extended period.

Before reaching the islands, Yutu's sustained winds were reported to be 175 MPH. The storm is now tracking northwest toward the Philippines and Taiwan.

ARRL Emergency Preparedness Manager Mike Corey, K1IU, said that four ARRL HF/VHF [Ham Aid](#) kits in Guam are available for use in the Commonwealth of the Northern Mariana Islands (CNMI), a US territory.



Another seven kits are positioned in Hawaii. ARRL has received from the Amateur Radio community in Hawaii, Guam, and Saipan. Corey said that radio amateurs in Guam and Hawaii are attempting to get in touch with hams who can assist on Saipan, part of the CNMI. Amateur Radio teams that had planned to operate in the CQ World Wide SSB Contest from Saipan this weekend have cancelled their trips.

"There is a small group of radio amateurs on Saipan who do VHF work," Corey said. "We are in process of reaching out to them, as well as to radio

amateurs who go to Saipan and Tinian for the CQ WW SSB event."

While Guam is reporting no serious communication issues, public service communication on Saipan is offline. Several stations in Hawaii, including large contest stations, have HF capability to Guam and Saipan, and some have agreed to pass traffic to Guam/Saipan if needed, Corey said.

One PACTOR-4-equipped station is available on Guam, and Winlink (radio email) gateways exist in Hawaii.

"There are no transportation arrangements available to ARRL at this time to move Ham Aid kits from Hawaii to Guam," Corey said. "We don't intend to move them unless we have operators in Guam/Saipan to use them."

The Marianas Amateur Radio Club (AH2G) in Guam has [posted photos and updates](#) from Saipan on its website. Read [more](#).

**The K7RA Solar Update**

Tad Cook, K7RA, Seattle, reports: On November 7 at 2244 UTC, the Australian Space Forecast Centre issued a geomagnetic disturbance warning, due to a co-rotating interaction region ahead of a coronal hole high-speed solar wind stream. Active geomagnetic conditions are predicted for November 9, and unsettled to active conditions on November 10.



We saw another week with no sunspots, and the average daily solar flux softened from 68.6 to 67.7. The average planetary A index rose from 4.4 to 12, while the average mid-latitude A index went from 3.4 to 8.1. On November 5 the planetary A index rose to 35, while Alaska's college A index went to 44. Those numbers indicated disturbed conditions.

The predicted planetary A index from USAF and NOAA is milder than the Australian prediction, with the outlook for November 8 - 14 at 15, 8, 5, 8, 16, 12, and 8; 5 on November 15 - 24; 8 on November 25; 5 on November 26 - 30; 15, 20, 12, and 8 on December 1 - 4; 5 on December 5 - 6; 15

and 12 on December 7 - 8, and 5 on December 9 - 22.

Predicted solar flux is 70 on November 8 - 11; 68 on November 12 - 14; 69 on November 15; 70 on November 16 - 17; 69 on November 18 - 19; 68 on November 20 - December 8; 70 on December 9 - 14; 69 on December 15 - 16, and 68 on December 17 - 22.

Space Weather Woman Tamitha Skov, WX6SWW, posted a [new video](#) on November 4.

Sunspot numbers for November 1 - 7 were 0, 0, 0, 0, 0, 0, and 0, with a mean of 0. The 10.7-centimeter flux was 66.8, 67.6, 67.4, 66.6, 68.3, 68.8, and 68.7, with a mean of 67.7. Estimated planetary A indices were 5, 4, 4, 16, 35, 10, and 10, with a mean of 12. Estimated mid-latitude A indices were 5, 3, 3, 7, 22, 9, and 8, with a mean of 8.1.

[Share](#) your reports and observations.

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**Just Ahead in Radiosport**

- Nov. 17-19 – ARRL SweepStakes, SSB
- Nov. 30-Dec.2 ARRL 160 Meter Contest
- Dec. 8-9 – ARRL 10 Meter Contest
- 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:**

- December 1 -- [Arkansas DX Association Conference](#), North Little Rock, Arkansas
- December 7-8 -- [West Central Florida Section Convention](#), Plant City, Florida
- January 20 - 26 -- [Quartzfest Convention, Quartzsite, Arizona](#)
- April 12, 2019 [DX Convention Visalia, Ca](#)
- May 31, 2019 [SEA-PAC Seaside Oregon](#)

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

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**ARRL Contest Update – Excepts**

Scott, N3FJP, announces that [Amateur Contact Log](#) 6.3 is now available. This latest release focused on functionality for Flex Radio users, but there's something for everyone in this summary of changes:

- Flex users receive DX spots which will appear on their panadapters.
- A new Tab Sends Message (TSM) feature for CW mode
- Support to use a radio's internal memories for CW messages
- Award query settings are preserved on awards forms
- FT8+ mode has been added to the list of modes in anticipation of this new mode

Scott has also upgraded the [Alabama \(1.7\)](#) and [Arizona \(1.9\) QSO Party Contest Log](#) programs.

[N1MM Logger+](#) has just been updated to version 1.0.7268 on September 4, 2018. Fixes were made to state QSO party contests for DE, NH, NV, and ME.

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

ARLD046 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.

SRI LANKA, 4S. Peter, DC0KK is QRV as 4S7KKG from Moragalla, IOTA AS-003, until **April 1, 2019**. Activity is on the HF bands using mainly CW and digital modes. QSL via LoTW.

MADAGASCAR, 5R. Andy, OE7AJH and Thomas, OE7KUT are QRV as 5R8UP from Antananarivo, IOTA AF-013, **until Nov. 13**. Activity is holiday style on 40 to 10M, and possibly 80 meters, using CW and SSB, and mainly during their morning and evening hours. QSL via OE7AJH.

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

UGANDA, 5X. Alan, G3XAQ will be QRV as 5X1XA **from November 15 to 27**. Activity will be on the HF bands. This includes being an entry in the upcoming CQ World Wide DX CW Contest as a Single Band/Unassisted - 20M entry. QSL #1

ALGERIA, 7X. Some members from the Algerian Radio Amateur Union are QRV with special event station 7V1N from Djelfa **until Nov. 20**. QSL #2.

MALDIVES, 8Q. Braco OE1EMS, will be QRV as 8Q7DX from South Male Atoll, IOTA AS-013, from **Nov. 10 to 25**. Activity will be holiday style on 160 to 10M. This includes being an entry in the CQ World Wide DX CW contest. QSL #1.

FRANCE, F. Special event station TM100ARM is QRV until **November 12** in commemoration of the 100th anniversary of the end of World War I. QSL via F5IQG.

ENGLAND, G. Members of the Royal Navy Amateur Radio Society are QRV with special event station GB100ARM **until November 28** in commemoration of the 100th anniversary of the end of World War I. QSL via G0TOC.

ITALY, I. Members of the Amateur Radio Club at the United Nations Global Service Centre in Brindisi are QRV as 4U73B **until Nov. 23** to commemorate the 73rd anniversary of the founding of the United Nations. Activity is on 160 to 10M. QSL via 9A2AA.

US VIRGIN ISLANDS, KP2. John, KE4PLT and Ernesto, KN4PUD are QRV as KP2/home calls from St. John Island, IOTA NA-106, **until Nov. 16**. Activity is on 40, 20, 17, 15 and 10 meters using mainly SSB with some FT8. QSL #1s

NETHERLANDS, PA. Bob, PA5V is QRV as PA1918PAX **until Nov. 30** commemorating the 100th anniversary of the end of WW I. QSL #2

EUROPEAN RUSSIA, UA. Special event stations R130ANT and R130TU are active **until Nov. 30** to celebrate 130<sup>th</sup> B-day of pioneer aircraft designer Andrei Nikolayevich Tupolev. QSL via UA3IIZ.

MICRONESIA, V6. Toru, JH0CJH will be QRV



as V63YAP from Yap Island, IOTA OC-012, from **Nov. 13 to 18**. QSL #1.

Kolonia, Pohnpei, Janusz, AK4JK is QRV as V6JBVS from Kolonia, Pohnpei Island, IOTA OC-010. Activity is on 20 meters using CW. Length of stay unknown. **[listed in Nov. 2018]** QSL #1

CHRISTMAS ISLAND, VK9X. Michael, DF8AN is QRV as VK9XQ **until Nov. 17**. Activity is on 160 to 6M using CW, RTTY, various digital modes, and FT8 in DXpedition mode. QSL#1

BERMUDA, VP9. Georg, DK7LX is QRV as VP9/DK7LX from St. David's Island **until November 20**. Activity is holiday style on 80 to 10 meters using CW. QSL #1.

SOUTH AFRICA, ZS. Special event station ZS100WWI is QRV **until Nov. 30** in commemoration of the 100th anniversary of the end of WWI. QSL #2

FEDERAL REPUBLIC OF GERMANY, DA. Members of the European DX Foundation are QRV as DL32EUDXF during **Nov.** to celebrate the EUDXF's 32<sup>nd</sup> anniversary. QSL via DJ8NK.

ENGLAND, G. Special event station GB100ARM is QRV during **November** to commemorate the armistice at the end of WWI. QSL via G0TOC.

ST. LUCIA, J6. Gerd, DL7VOG will be QRV as J68GU from **Nov. 3 to 25**. Activity will be on the HF bands. This includes being entries in the upcoming Worked All Europe RTTY and CQ World Wide DX CW contests. QSL #1

AUSTRIA, OE. Jo, OE4VIE is QRV as OE32EUDXF **until Nov. 17** to celebrate the EUDXF's 32<sup>nd</sup> anniversary. QSL #2

CHRISTMAS ISLAND, VK9X. Prior to his Cocos Keeling operation, Michael, DF8AN will be QRV as VK9XQ from **Nov. 9 to 17**. Activity will be on 160 to 6 meters using CW, RTTY, & digital modes, & FT8 in DXpedition mode. QSL #1

BURKINA FASO, XT. Harald, DF2WO will be QRV as XT2AW during the **month of Nov.** He will focus on 160 meters. QSL via M0OXO.

INDONESIA, YB. Operators Burkhard, DL3KZA and Irfan, YE4IJ are QRVs as YE4/DL3KZA from Belitung Island, IOTA OC-144, until **Nov. 11**. Activity is holiday style on 20 and 17M, depending on conditions, and using SSB. QSL via DL3KZA.

LATVIA, YL. Special event stations YL100K, YL100L, YL100R, YL100V and YL100Z are QRV **until Nov. 18** to celebrate Latvia's independence centennial. QSL via LoTW.

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

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. **[listed Sept. 2018 - 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

**Until the end of 2018**

SOUTH SHETLAND ISLANDS. Sang, DS4NMJ is QRV as DT8A from the Korean Antarctic Scientific Base King Se-Jong on King George Island, IOTA AN-010, until the **end of December 2018**. Activity will be on various HF bands using mainly CW and some SSB. QSL via HL2FDW.

SERBIA, YU. Special event station YU100APV is QRV **through December 31, 2018** to commemorate the 100th anniversary of the unification of Vojvodina and Serbia.

FEDERAL REPUBLIC OF GERMANY, SLOVAK REPUBLIC, OM. The radio club Horec is QRV with Spcl Event call OM75 TESLA to the **end of 2018** to commemorate Nikola Tesla's death 75 years ago. QSL via OM3KHT.

SLOVENIA, S5. Special event station S510SOTA is **QRV during 2018** to celebrate the 10th anniversary of the S5 SOTA Association. QSL#3

UKRAINE, UR. Special event call EM30N is QRV until **December 31, 2018** to celebrate the 30th anniversary of the International Radio Amateur Club WW. QSL via UR4NWW.

NORWAY, LA. Members of the NRRL are QRV with special calls LM90NRRL, LM90HQ and LM90C **throughout 2018** to celebrate their 90th year as the IARU Society.

MACQUARIE ISLAND, VK0. Norbert, VK5MQ is QRV as VK0AI and will be here with the next winter team for one year. **[listed May 2018 - ed]** Activity has been on 30 and 20 meters using FT8 between 0400 to 0630z. QSL #1

**Until 2019**

SAO TOME AND PRINCIPE, S9. Helio, CT1ENW is QRV as S92HP from Sao Tome City, and is here **until January 31, 2019**. Activity is on the HF bands, and 6 meters, using CW, SSB and various digital modes. QSL to home call.

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

MALI, TZ. Laurent, F5IXR is QRV as TZ5XR **until 2019**. Activity is on 40, 20, 17, 12 and 10 meters using mostly CW. 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.

**Until 2020**

RWANDA, 9X. Alan, KE4TA will be QRV as 9X0TA from Kimihurura, Kigali **for the next three years [until Aug. 5, 2020-ed]**. Activity will be holiday style on the HF bands. He is currently active on 20 and 17 meters using SSB and digital modes as well as some CW. QSL via N4GNR.

**Notes:**

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

**Possible Special Event in 2022 – 75 Years**

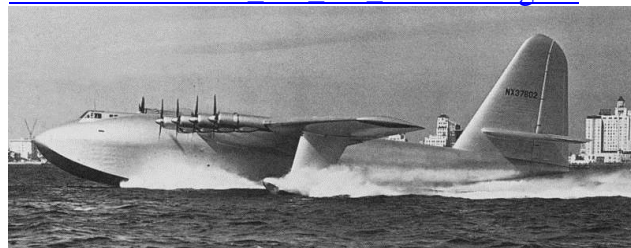
In November of 2022 it will have been 75 years since the Flight of the H – 1, Hughes’ Flying Boat,

aka the ‘Spruce Goose’, better, would have been, the ‘Birch Boat.’

**Link to the Hughes Culver City Airport**

Contains much history of the Hughes Airport and the Hercules HK-1 (aka Spruce Goose) and other Hughes airplanes. If you worked at the Hughes Aircraft Co. Culver city site, you may find this pretty interesting. The 75<sup>th</sup> anniversary of the H-1 (as it was later designated, when Kiaser backed out) is in about 3 years. The first and only test flight was in November 1947.

[http://www.airfields-freeman.com/CA/Airfields\\_CA\\_LA\\_W.htm#hughes](http://www.airfields-freeman.com/CA/Airfields_CA_LA_W.htm#hughes)



**Lunch Financials – for September 2018:**

**Attendance: 21**

Starting Lunch Kitty:	\$206.75
Expenses: Pizza(4) & Salad	\$100.00
Drinks: Soda: 11 @ 0.41	\$4.50
Water 1 @ 0.25	\$0.25
Food Total:	\$104.75 \$102.00
Income: Lunch:	\$109.75 \$209.75
Room Rent-To General Funds:	\$0.00 \$209.75
Starting - Kitty for Oct.. Mtg.:	\$209.75
<b>[Gain of \$3.00 - \$20.00 for room rent = Loss of \$17.00]</b>	

**Lunch Financials – for October 2018:**

**Attendance: 25**

Starting Lunch Kitty:	\$209.75
Expenses: Pizza(4) & Salad	\$102.00
Drinks: Soda: 11 @ 0.41	\$4.50
Water 3 @ 0.25	\$0.75
Food Total:	\$107.25 \$102.50
Income: Lunch:	\$101.00 \$203.50
Room Rent-To General Funds:	\$0.00 \$203.50
Starting - Kitty for Nov.. Mtg.:	\$203.50
<b>[Loss of \$6.25 - \$20.00 for room rent = Loss of \$26.25]</b>	

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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](http://www.arrl.org/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>

**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
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:**

4 PM PST Wed Nov 21(0000 UTC Nov 22 – on CW Frequencies listed above, 10 to 35 WPM

7 PM PST Thur Dec 6 (0300 UTC Dec 7)

6 AM PST Tue Dec 18 (1400 UTC)

**West Coast Qualifying Runs:**

9 PM PST Wed Nov. 28 (0500 UTC Nov. 29) by K9JM on 3590 & 7047.5 kHz, 10 to 35 wpm

2 PM PST Sat Dec 15 (2200 UTC) by K6KPH - 3581.5, 7047.5, 14047.5, 18097.5 & 21067.5 kHz 10-40wpm

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/](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. Come one, come all.

**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, 7:00 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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