



February 2020

([www.k7id.org](http://www.k7id.org))

P.O. Box 1765 Hayden, ID 83835-1765

## REGULAR CLUB MEETINGS:

Monday, Feb 10, 7:00 p.m.  
Search & Rescue Building  
10865 N Ramsey Rd.

Hayden, Idaho

Topic: HF Lab

Presenter: Jerry Hart, W7KR

VE Testing

Monday, Feb 10, 5:30 p.m.  
Search & Rescue Building

### Upcoming Events

Mike & Key Hamfest

March 7, 2020

Puyallup Fairgrounds

Puyallup, Washington

Idaho QSO Party

March 14th weekend

### “A Lifelong Learner’s Permit”

It’s February...already. How are you doing with your New Year’s resolutions? I am wincing as I ask that question...but somehow don’t feel alone. Changing our schedules to allow time to include something new can be challenging...but if we are to do anything new or different...the operative word here is...”do”. Do it. We only learn by doing.

I am on a winning streak with my Morse code practice. Nightly practice sessions are paying off as I am in simulated QSOs with my CDs regularly. It’s only 5 words per minute but I’m moving to 6 this week. I still make errors but I am improving. This is important to me and I am sticking to it! My “CW Elmer” Jerry, W7KR constantly encourages me in my progress. 2 “on air” QSOs are fun too!

This month’s KARS meeting will feature an HF Lab! We will have an HF radio and use our new 10-80 HF antenna! Never been on HF before? Here is your chance to log some contacts and have fun! You will learn the “rhythm” of calling in a pileup, how to locate a potential QSO, calling CQ, locating an available frequency, how to be a GOOD operator...how to have fun with HF! We will also have a couple of CW keys at the back of the room doing QSOs for interested hams and maybe some D-Star too!

Our Treasurer, Rod Anderson, K7ZBE said to me last night, “A ham license is a lifelong learner’s permit”...I like that!

See you February 10th at our next meeting!

Frank, KD7FK

[president@K7ID.org](mailto:president@K7ID.org)

Kootenai Amateur Radio Society (KARS)  
January 2020 Meeting Minutes

The January 13, 2020 KARS meeting was held at the Search & Rescue Building located at 10865 N Ramsey Rd. Hayden, Idaho.

The meeting was called to order at 7:02 pm by Club President Frank Krug (KD7FK). The Pledge of Allegiance was led by Frank Krug (KD7FK).

Attendance: Twenty-seven (27) members and five (5) visitors were in attendance. First time visitors introduced themselves.

VE Testing: Jerry Hart (W7KR) reported that nine people tested this evening. The results were as follows:  
Passed Technician: 4  
Passed General: 2  
Passed Technician & General: 1  
Passed Extra: 2

Frank Krug (KD7FK) reminded everyone that membership renewals are due. Also, the Thursday morning coffee and donuts meeting will be at the Silver Lake Mall from 8 AM to 10 AM. Bring your own coffee!

Minutes: Larry Telles (K6SPP) moved to accept the November 11, 2019 minutes as printed in the newsletter; Michael Glauser (AI7MG) seconded; the motion passed by member vote.

Mike Slothower (KG7KSJ) moved to accept the December 9, 2019 minutes as printed in the newsletter; Jim Petersen (AD0AZ) seconded; the motion passed by member vote.

The Treasurer's Report was given by Rod Anderson (K7ZBE):

November 2019

Checking  
\$2,437.09

Repeater Fund  
\$ 98.00

Savings  
\$ 952.82

Petty Cash  
\$ 57.16

TOTAL  
\$3,545.07

Income: Savings interest (\$0.03), Tee-shirt sales (\$80.00), Memberships (\$96.00), Repeater fund donations (\$20.00). Total \$196.03.

Expenses: Jim Petersen—S&R Antenna Mast (\$15.85), Mica Peak Lease (\$300.00). Total \$315.85.

Jerry Hart (W7KR) moved to accept the Treasurer's report for November 2019; Michael Glauser (AI7MG) seconded; the motion passed by member vote.

December 2019

Checking  
\$ 949.66

Repeater Fund  
\$ 98.00

Savings  
\$2,477.88

Petty Cash  
\$ 43.70

TOTAL  
\$3,569.24

Income: Savings interest (\$0.06), Memberships (\$85.00). Total \$85.06.

Expenses: Rathdrum Senior Center-Rent (\$30.00), Christmas Party Supplies (\$51.20).  
Total \$81.20.

Martin Waller (KG7LRV) moved to accept the Treasurer's report for December 2019; Dave Boss (KF7YWR) seconded; the motion passed by member vote.

Old Business

Frank Krug (KD7FK) introduced the 2020 incoming board members:

President: Frank Krug, KD7FK

Vice President: Jerry Hart, W7KR

Executive Director: Tom Macy, W7UAT

Treasurer: Rod Anderson, K7ZBE

Secretary: Sheila Waller, KG7SAA

Past President: Larry Telles, K6SPP

New Business

10 Meter Slow Speed CW Net: Frank Krug (KD7FK) introduced the idea of starting a scheduled CW net on 10 meters for the purpose of practicing sending and receiving slow-speed CW.

Digital Modes: Frank Krug (KD7FK) reported that the KARS Fusion repeater is not being used. He stated that the Club may be able to obtain a free internet connection at the site to allow for use of other digital modes. A committee was formed to discuss how this can be done. The committee members are Todd Silk (AD7VB) and Michael Glauser (AI7MG).

Evening Presentation: Eric Anderson (AF7YQ) from the Bonner County Amateur Radio Club presented a computer assisted Morse Code radio texting system device that he invented.

The meeting was adjourned at 8:47 PM.

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Spotlight This Month is on:  
Kathryn Kent, KI7OVA  
By Larry Telles, K6SPP

Kathryn took her amateur radio license test a little less than three years ago. She wanted to get into amateur radio forever. She waited until she got into the Pacific Northwest and had some money saved. One day, she knew that the time was right. It took her a little while to actually get on the air. Kathryn wanted to make sure she got the operating procedures correct. Since getting her ticket she has searched and studied any material pertaining to ham radio. If it's technical she will read and digest it. At our Thursday morning Coffee and Doughnuts get-together she can be seen sitting next to Tom, W7UAT, getting her questions answered.

I asked Kathryn what was her favorite band, and she quickly replied, the Beatles! She rambled along on that subject for nearly thirty seconds before I asked, what is your favorite "Ham" band? "Ooooooh, I get it! I guess you could say the local VHF-UHF bands first. I want to go where the majority hang out on the air. Two meters is a good place to start! DX on HF will come later."

When asked, what do you like best about ham radio, Kathryn didn't miss a beat. "The people, the intelligent people!" That pretty much takes in all of KARS!

If you are monitoring our repeater and hear KI7OVA, give her a call. She is on the repeater to hang out!



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Amateur Radio Volunteers in Turkey Support Earthquake Response

A powerful magnitude 6.8 earthquake struck the province of Elazig on January 24. Radio amateurs affiliated with the national International Amateur Radio Union (IARU) member-society **TRAC** assisted in the response.

Aziz Sasa, TA1E, at TRAC Headquarters reported, "The affected area was very small and the intensity limited; our involvement was also limited." He said two TRAC branches in the affected area stepped in, assisting by providing tactical communication in the affected area and supporting the Ministry of Health by installing and getting their mountaintop repeater operational.

"Due to the relatively limited scale of the disaster, foreign assistance was not needed," he told IARU Region 1 Emergency Communications Coordinator Greg Mossop, G0DUB. "The situation is under control."

The internet remained operational. Aziz said no operations were taking place on HF. Mossop said 3.777 MHz is known as an emergency frequency in Turkey. The earthquake caused about 40 deaths and more than 1,600 injuries as well as considerable property damage. (ARRL News)

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### ARES Volunteers Establish “Plan B” Communication Network in Puerto Rico

Amateur Radio Emergency Service (ARES®) volunteers in Puerto Rico continued over the weekend to report for daily duty at an American Red Cross (ARC) distribution center in Mayagüez and at ARC Headquarters in San Juan. The two sites are at the ready to provide a “Plan B” communication backbone in the event the seismic situation worsens. A magnitude 6.4 earthquake struck southwestern Puerto Rico on January 7, fast on the heels of a magnitude 5.8 tremor the day before, damaging homes in Guayanilla, Peñuelas, Yauco, and Guánica. ARRL Puerto Rico Section Manager Oscar Resto, KP4RF, told ARRL this week that the situation is relatively “calm and quiet” for now and starting on January 22, volunteers would begin monitoring from their homes or vehicles, permitting most, including Resto himself, to get back to their jobs and homes.

ARES volunteers had been deployed to an ARC distribution center in Yauco, but that part of the operation was shifted to Mayagüez over the weekend, because it was considered safer there. An ARRL-provided VHF/UHF radio and antenna have been set up at the Mayagüez facility. Resto said a second operating position is being added at the San Juan ARC Headquarters site.

Resto said Red Cross officials know that they can rely on Amateur Radio, if the situation calls for it, but for now, commercial communications are fully operational, although aftershocks from the January 7 quake persist. “In case the situation escalates, the ARES team will immediately mobilize at the ARC sites and establish communication (VHF/UHF or HF) as required,” Resto said.

Last week, the Red Cross had requested assistance from the ARES volunteers as well as volunteers from the CB radio and GMRS communities, to identify undeclared refugee camps and to report on close or damaged roadways and bridges. Resto said the ARES volunteers “did a marvelous job” that earned praise from Red Cross officials.

Resto said about two dozen volunteers have made themselves available in the Mayagüez area. In the event they’re needed, Resto said, he has seven or eight HF

radios and 15 VHF/UHF transceivers left over from the Hurricane Maria emergency response. He said the HF equipment has been safely stowed for use in case of another major earthquake, when they might be needed.

He was expecting additional antennas and feed lines provided through ARRL’s Ham Aid program to show up this week. (ARRL News)

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### ARISS Next-Generation Radio System Ready for Launch

Amateur Radio on the International Space Station (ARISS) reports that its first Interoperable Radio System (IORS) flight unit - serial number 1001 - has been delivered to NASA’s Johnson Space Center for launch in early March. The IORS represents the first major upgrade in ARISS equipment on the International Space Station since Amateur Radio gained a permanent presence onboard the ISS in 2000. In December, ARISS received approval from NASA Safety to launch the IORS on SpaceX CRS-20 and stow the radio system on the ISS for future installation.

“The IORS is a foundational element of the ARISS next-generation radio system and is an incredible engineering achievement by the ARISS hardware team,” ARISS International President Frank Bauer, KA3HDO, said. “This first element delivery will support easier radio mode transitions and enable new, exciting capabilities for hams, students, and the general public.”

The new system includes a higher-power radio, an enhanced voice repeater, and updated digital packet radio (APRS) and slow-scan television (SSTV) capabilities for both the US and Russian space station segments. The IORS consists of a custom-modified JVCKenwood TM-D710GA transceiver, an AMSAT-developed multi-voltage power supply, and interconnecting cables. The IORS set to launch in March will be installed in the ISS *Columbus* module.

Bauer said a second flight unit is expected to be launched sometime later this year for installation in the Russian Service module. The ARISS hardware team will assemble four flight units - and 10 IORS units in all - to support onboard flight operations, training, operations planning, and hardware testing.

“Future upgrades and enhancements to the next generation system are in various stages of design and development,” Bauer said. “These include a repaired Ham Video system - currently planned for launch in mid-to-late 2020, L-band (uplink) repeater, ground command operations capability, LimeSDR signal reception, a microwave ‘Ham Communicator,’ and Lunar Gateway prototype experiment.”

Bauer said a lot of “heavy lifting” remains to prepare the IORS for operation on the space station. “ARISS has 92 engineering requirements and our operations Phase III safety review to complete,” he explained. “The space agencies take a position of ‘trust, but verify.’ Thus, these engineering and safety ‘verifications’ all need to be closed out before the IORS can be unstowed and turned on. This will be the ARISS hardware team’s focus over the next few months.”

Bauer reminded that ARISS is almost entirely run by volunteers and encouraged [donations](#) for next-generation hardware developments, operations, education, and administrative functions. (ARRL News)

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## Australian Bushfires Causing Major Telecommunication Outages, Hams Asked to Remain Alert

[UPDATED 2020-01-05 @1704 UTC] Wireless Institute of Australia ([WIA](#)) President Greg Kelly, VK2GPK, says the bushfires in Australia have caused or are expected to cause significant disruption of telecommunication services in the states of Victoria and New South Wales.

“The scope and range of these impacts is unknown at this stage but are predicted to cover all internet and phone (fixed and mobile) and other commercial radio services,” Kelley said. Radio amateurs are supporting relief operations and communication.

WICEN (Wireless Institute Civil Emergency Network) in New South Wales reports it has been active assisting in a number of multi-agency activities during the bushfire emergency, in its role as a support squad of the NSW Volunteer Rescue Association (VRA) operations center in Bega. WICEN teams in NSW and in the Australian Capital Territory (ACT) have sent a team to Bega, to help re-establish radio communication services, disrupted by fire activity.

WICEN and other VRA squads continue to support the Rural Fire Service (RFS) at various Fire Control Centers and the Bushfire Information Line. Other WICEN members remain active with the RFS and the State Emergency Service.

Kelley has asked radio amateurs in International Amateur Radio Union (IARU) Region 3 to monitor the emergency communications frequencies, per the IARU Region 3 band plan, whenever possible, as well as repeaters. “Amateurs seeking to establish emergency communication should use these EMCOMM frequencies in the first instance, or repeaters if available,” he said in a statement posted on the IARU Region 3 website.

“Radio amateurs who are volunteers for [WICEN and other emergency communication organizations] should keep themselves updated,” Kelley advised. “Emergency communication is one of the main reasons radio amateurs have access to RF spectrum. Please assist if and when you can.”

The IARU Region 3 emergency “center of activity” frequencies are 3.600, 7.110, 14.300, 18.160, and 21.360 MHz. These are not net frequencies, but they are

recommended as starting points for emergency traffic, and activity may extend 5 kHz above or below the designated center frequency.

South of NSW in the state of Victoria, WICEN VIC reports that the amateur repeater network is largely off the air, possibly due to a lack of power. “Some sites may have been directly affected by fire,” WICEN VIC reported on January 4.

“It could be some weeks until the sites can be reached for inspection. The Mt Taylor UHF repeater, which is currently linked to the Carrajung UHF repeater, is still operational, although Mt Taylor has been under direct threat a few times, and currently has an ‘Evacuate Now’ warning to the area immediately north.” (ARRL News)

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## Foundation for Amateur Radio Invites 2020-2021 Academic Year Scholarship Applications

The Foundation for Amateur Radio Inc. ([FAR](#)) has invited [applications](#) for the 2020-2021 academic year for the scholarships it administers. Applications must be submitted via the online form. Several questions ask for essay responses. The deadline for initial submissions is April 30, 2020. Applicants may amend their applications until May 7.

All applicants must hold a valid amateur radio license and be enrolled or accepted for enrollment at an accredited university, college, or technical school. Applicants attending school outside the US must provide a brochure describing the school. Students do not apply for specific scholarships; each application will be considered for all of the scholarships for which the applicant is qualified. [QCWA](#) scholarships and the Chichester Memorial Scholarship all require recommendations to be awarded. Data entered onto the application goes directly into an encrypted, password-protected PDF file available only to the review committee. No part of the application is stored online.

[More information](#) is available on the FAR website.

## Radio Amateurs of Canada Announces a New Section

The number of Sections needed for a clean sweep in the ARRL November Sweepstakes (SS) will rise to 84 in 2020, with the addition of a new Prince Edward Island (PE) Section. Radio Amateurs of Canada (RAC) announced this week that the new Section will become effective on April 1.

RAC said its Prince Edward Island members have been working for some time to create a separate Section for RAC ARES activities there. The provinces of Nova Scotia and New Brunswick will continue to be in the Maritimes (MAR) Section. In addition to Field Day and Sweepstakes, the new Section in Canada will affect the ARRL 160-Meter Contest but *not* the ARRL 10-Meter Contest, which uses states/provinces for US and Canadian multipliers.

The change will mean that logging software developers will have to update their software to include the PE Section as a valid exchange element for any affected operating events.

RAC also announced an adjustment in two of its Ontario Sections. Effective April 1, radio amateurs in the City of Hamilton and in the Regional Municipality of Niagara will shift to the Greater Toronto Area (GTA) Section from the Ontario South (ONS) Section. (ARRL News)

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## State QSO Party Challenge Announced

The [State QSO Party Challenge](#) is a competition comprised of other contests, namely state and provincial QSO parties. As explained on the website, the annual cumulative score program is open to any radio amateur who participates in any approved state QSO parties (SQPs).

Participants just need to submit their QSO party scores to [3830scores.com](#) to enter the challenge. Participants' cumulative scores will be calculated by totaling up the number of reported contacts and multiplying by the number of SQPs entered in the year to date. Periodic standings will be posted to [3830scores.com](#), the

[QSO Party Groups.io](#) forum, and the [StateQSOParty.com](#) website.

“Using the number of QSO parties entered as a multiplier is expected to encourage radio amateurs to enter more state/province QSO parties,” the program’s organizers said. “The first SQPs in 2020 are the Vermont, Minnesota, and British Columbia QSO Parties in the first weekend of February.”

Entrants must make at least two contacts in a QSO party for it to count as a multiplier. [Full details](#) are available on the State QSO Party Challenge website. Challenge sponsors expressed appreciation to Bruce Horn, WA7BNM, for developing the [SQP Activity Tracker](#) on [3830scores.com](#). (ARRL News)

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## New Amateur Extra Question Pool Released

The new Amateur Extra-class license examination question pool, effective from July 1, 2020, through June 30, 2024, has been released and is available at the National Conference of Volunteer Coordinators (NCVEC) website.

The [2020-2024 Extra-class pool](#) incorporates significant changes compared to the current 2016 – 2020 question pool, which expires on June 30. The number of questions in the pool was reduced from 712 to 622. The result was 239 modified questions, 49 new questions, and 139 questions removed due to changes in what was felt to be an abundance of outdated questions, while areas of new technology and subjects were added.

In addition, an effort was made to balance the difficulty level, removing or replacing some questions deemed too easy or too difficult compared to the rest of the pool. The 2020 pool has 10 diagrams, which have been renumbered because the new question pool has two fewer than the 2016 question pool. (ARRL News)

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## ITU Development Sector Publication Highlights Amateur Radio’s Role in Emergency Communication

Amateur radio is featured in the publication, [ITU Guidelines for national emergency telecommunication plans](#), published by the International Telecommunication

Union (ITU) Development Sector (ITU-D). The publication notes that radio amateurs have supported communication in emergency situations on a voluntary basis since the dawn of radio.

“They are experts in radio communications and have the equipment, skills and necessary frequencies allocated by ITU to deploy networks in emergency events quickly and efficiently,” the publication says. ITU-D said amateur radio support offers “great coverage due to the large number of amateur radio stations available;” training programs and exercises have been developed for emergency communication; “qualified temporary volunteers who provide skills and experience essential for emergency telecommunications;” problem-solving skills and an ability to work with “often very limited resources,” and the ability to work with alternative power sources.

Past ARRL President and IARU Secretary Rod Stafford, W6ROD, represents the International Amateur Radio Union at ITU-D meetings. - *Thanks to Southgate Amateur Radio News; IARU*

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### Spanish Radio Amateurs May Exchange Current Call Signs for Permanent 2 × 1 Call Signs

Regulators in Spain are now allowing radio amateurs there to exchange their current longer-format call signs for permanent 2 × 1 call signs, and some familiar Spanish call signs are likely to be changing. Salva Moreno, EA5BB, told ARRL that hams in Spain who decided to make the change are now awaiting the official license documents, so they can use their new call signs on the air. Moreno’s new call sign will be EA5U. To be eligible, applicants must have held a license issued by Spanish authorities without any sanctions and have at least 15 years of experience in “international amateur radio.” (ARRL News)

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### High Speed Telegraphy Competitions Set

The 17th International Amateur Radio Union (IARU) High Speed Telegraphy (HST) World Championship will take place August 20 – 24 in Ulaanbaatar, Mongolia.

Europe’s HST Cup and Balkan HST Championships will take place May 8 - 12 in Elbasan, Albania. Although not an IARU-recognized event, this international competition is widely accepted by the HST community as

an opportunity for top competitors to check their form before the world championship, for teams to test new candidates for a national team, and for those unable to participate at the World Championship to still enjoy top-level competition. - *Thanks to IARU Region 1*

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### New 60 MHz Beacon Now on the Air from Ireland

The first - and so far only - beacon on 60 MHz went on the air on December 16. The call sign is EI1KNH. In early 2018, the 60 MHz (5-meter) band was allocated to radio amateurs in Ireland on a secondary, non-interference basis. The beacon is on 60.013 MHz and runs 25 W into a vertical folded dipole. The new 5-meter beacon is sharing a site already occupied by EI0SIX on 6 meters, and EI4RF on 4 meters, about 12 miles south of Dublin in IO63VE. An 8-meter beacon is scheduled to be on the air in the next few months. It will operate on 40.013 MHz. (ARRL News)

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**JOIN THE K7ID GANG EVERY THURSDAY MORNING!**

**WE ARE BACK AT THE SILVERLAKE MALL. BRING YOUR OWN COFFEE!**

**START LOOKING FOR US ACROSS FROM JOANN FABRICS.**



**8 till 10**

Deadline for submitting articles, stories, reports, etc., is the 25th of each month for the following month’s newsletter.

# Kootenai Amateur Radio Society (KARS) MEMBERSHIP APPLICATION

**One year membership Rates:**

New Member: \$15.00  Renewal: \$15.00  Family Membership: \$23.00

**Two year membership Rates:**

New Member: \$28.00  Renewal: \$28.00  Family Membership: \$42.00

**Lifetime membership:**

Member: \$150.00

Information Update Only

**Are You An ARRL Member? Yes / No ( Please Circle One)**

Callsign: \_\_\_\_\_ Class: \_\_\_\_\_ Expiration: \_\_\_\_\_

First Name: \_\_\_\_\_ M.I. \_\_\_\_\_ Last Name: \_\_\_\_\_

Nickname: \_\_\_\_\_

Address1: \_\_\_\_\_

Address2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_ - \_\_\_\_\_

PHONE NUMBER: (\_\_\_\_) \_\_\_\_\_

**OK to publish phone number? Yes / No ( Please Circle One)**

EMAIL ADDRESS: \_\_\_\_\_

**OK to publish Email address? Yes / No ( Please Circle One)**

**Do you want to receive the emailed Newsletter? Yes / No ( Please Circle One)**

Note: If this is a family membership, (all members with the same address), please complete the following section for your family.

Name: \_\_\_\_\_ Call: \_\_\_\_\_ Class: \_\_\_\_\_

*RETURN THIS FORM WITH YOUR DUES, (CASH OR CHECK), TO THE KARS TREASURER,  
OR, MAIL TO: KARS MEMBERSHIP, P.O. BOX 1765, Hayden, ID. 83835-1765.*

(Office use only.)

Cash:		Check #:		Money Order:	
Membership Card:		Roster:		Newsletter:	

