



June 2016

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

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

## REGULAR CLUB MEETINGS:

**FRIDAY, Jun. 10, 7:00 p.m.**  
1250 W Lancaster Rd  
Hayden, Idaho  
**Topic: Pre-Hamfest Potluck**  
**Presenter: Everyone**  
**Refreshments: Everyone**

**VE Testing**  
9:00 a.m. to 11:00 a.m.  
Saturday, June 11  
1250 W Lancaster Rd

**Monday, July 11, 7:00 p.m.**  
Search & Rescue Bldg.  
10865 N. Ramsey Rd.  
Hayden, Idaho  
**Topic: ???**  
**Presenter: ???**  
**Refreshments: ???**

**VE Testing**  
Monday, July 11, 5:30 p.m.  
10865 N. Ramsey Rd.  
Hayden, Idaho

### Upcoming Events

**K.A.R.S. Hamfest 7am-2pm**  
June 11, 2016  
Shriner Event Center  
1250 W Lancaster Rd  
Hayden, Idaho

Letter From the President

**Dave Boss KF7YWR**  
[boss@infinityusers.com](mailto:boss@infinityusers.com)  
208.290.8590

### 2016 World Jet Boat Race Championships May 24-25

What a blast! What an outstanding success! This project is in the books as history. On Saturday the 21<sup>st</sup> one last run was made down the Coeur d'Alene river, (with no rains this time), to test our revised communications plan and with 100% success. Our comms setup consisted of two cross-band repeat radios, one VHF repeater all linked to the club's Mica repeater via N7MA's QTH. Handi-talkies were able to make contact with all the repeaters and cross band radios. Mark Avakian N7MA had his motor home parked at Black Rock with a cross-band radio sending it's signal to his house and then on to Mica. Lenny Gemar had a similar setup with his truck parked at the scenic overlook on Highway 3 and again linked to Mica. Mobile radios were at the Harrison start/finish and the start/finish slightly downstream of the Cataldo boat launch, these locations were making direct contact with Mica. There were about thirty boats in four classes that were released to the course at one minute intervals. The fastest of these boats ran the thirty mile course in about twelve minutes, these boats were turbine powered and over 2000 horsepower and used forty gallons of fuel per leg of the race. Eight safety boats and or safety observers were stationed up and down the river and recorded the time each boat passed their position. This procedure allowed for easy tracing of the boats location when mechanical issues raised their ugly head. Only one minor crash as a boat hit the bank at about 50mph, minor damage to the boat and crew OK, fortunately the Mexican boat was still able to race tin the next heat. No yellow or red flags were used during the race. A good safe race!

This was an outstanding opportunity to put our communication skills to the test and provide a public service to the community. The race organizers and officials were thrilled with the professionalism and quality of our service, we performed beyond their expectations and were asked to come back and participate in other races that may be happen in the future. Unfortunately the World Jet Boat races will be in New Zealand next year and Mexico the year after and presumably in Canada the next year, but other race venues will be explored. Special thanks to all the planning and race staff. Which include: Rod Anderson K7ZBE, Richard Furnas KI7EJU, Lee Hopkins AA7AF, Dave Hopkins KI7HOP, Jim Petersen AD0AZ, Jim's Boat, Dan Smith N6HRT, Lenny Gemar N7MOT, Mark Avakian N7MA, Frank Ten Thy KG7CUI, Allan Campbell KE7DFT, Jim Banks KF7TFJ, Mitch Killabrew KB7BYR, Brian Tuttle KD0OXL, Bob Hallock K7TM, Ted Graff K7TED, Steve Risken KG4CFF, Quint Webb W7CQW, Dave Boss KF7YWR Great job guys!

## Hamfest 2016 Saturday June 11 with the Friday night Potluck

Hamfest will be here in just weeks. DX Engineering is sponsoring us this year and has kicked in a gift certificate as part of the deal. Bring money and all the stuff you want to part with and hopefully you can find that special piece of equipment you need to finish your station (like any station is ever finished). All the details are in the great looking flier in last month's newsletter probably in this month's as well. If you want to be part of the crew contact Adam Crippen N7ISP.

## Thursday morning Coffee and Donuts

8:00 a.m. at the Silverlake Mall held in the old Hallmark shop. Remember coffee and donut just a buck.

## Field Day June 25-26

Get ready for that one sleepless night in June where nothing but visions of radios dance in you head. Not to mention the fellowship of other sleep deprived Hams.

73,

*Dave KF7YWR*

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Kootenai Amateur Radio Society  
May 2016 Meeting Minutes

The meeting was called to order at 7:10pm by Club Vice-President Allen Campbell (KE7DFT). The Pledge of Allegiance was led by Ted Graff (K7TED).

License Testing: David Bowen, William Radobenko, Jr. both passed their Technician License; Richard Furnas took and passes both the Technician and General Class License; Robert Wheelock passed the General Class License and Larry Angel attempted the Extra Class License.

Club Treasurer's Report: Checking \$3,154.11, Savings \$1,875.88, Petty Cash \$96.78, Total \$5,196.77. Monthly expenses consisted of: Liability Insurance – Risk Strategies – ARRL \$300.00, Lunch for Boat Races Recon Crew \$60.02, Total Expenses \$360.02. Motion was made by Lenny Gemar (N7MOT) to approve the Treasurer's Report as read, the motion was seconded and passed by member vote.

Meeting Minutes: Motion to approve the Meeting Minutes as reported in the Newsletter made by Jim Peterson (AD7AZ), the motion was seconded and passed by member vote.

Club Events:

The Coeur d' Alene River Jet Boat races will be May 24<sup>th</sup> and 25<sup>th</sup>. KARS Volunteers will be helping with radio communications for the event.

KARS Hamfest will be June 11<sup>th</sup> at the Coeur d' Alene Shriners Club in Hayden on West Lancaster. Adam Crippen (N7ISP) and Jim Peterson (AD7AZ) spoke about the upcoming Hamfest. Jim Peterson has been working on tracking down volunteers, if interested please contact Jim. Adam has been working with DX Engineering about helping in sponsoring prizes for the club. Todd Silk (AD7VB) made the motion to approve up to \$850 for prizes, the motion was seconded and passed by member vote.

Volunteers are needed for many upcoming events including Hamfest, Field Day, and Weed Control. If you are interested please contact a Club Board member.

KARS Field Day will be held again at Majestic Park in Rathdrum.

Club Projects this summer: CDA River Boat Races and the UHF Fusion Repeater for Idaho Mica.

Raffle Results:

50/50	\$9	W7GSV Robert Rosie
Member	\$88	KD7MVP Jerry Ellison - Not Present

Lenny Gemar (N7MOT) made the motion to adjourn the meeting at 9:00pm, the motion was seconded and passed by member vote and meeting was adjourned.

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ARRL 'Strongly Supports' Petition to Drop 15 dB Restriction for Amplifiers:

In comments filed on May 26, the ARRL said it "strongly supports" a petition to the FCC seeking to eliminate an Amateur Service rule, spelled out in 97.317(a)(2), that amateur amplifiers not be able to boost the RF input signal by more than 15 dB. The Petition for Rule Making (RM-11767 <http://apps.fcc.gov/ecfs/comment/view?id=60001536394>), was submitted in April on behalf of an amateur amplifier distributor, Expert Linears America LLC <http://www.expertlinears.com/> of Magnolia, Texas.

"The Petition proposes relief that is in the nature of eliminating unnecessary regulatory underbrush, and it continues an effort started by the Commission on its own motion in 2004...to do precisely that," the ARRL said in its comments. "The rule proposed to be eliminated is outdated; it constituted overregulation when it was adopted long ago, and it now substantially limits the flexibility of Amateur Radio operators to experiment with the current generation of software-defined Amateur Radio equipment."

The 15 dB provision came into the rules during an era when the FCC initiated various actions to rein in a major interference problem resulting from the use of illegal 11 meter amplifiers during the Citizens Band radio boom of the 1970s. “In its effort to address that problem, the Commission enacted a series of largely redundant and overlapping regulations that, in their overall effect, unnecessarily (and inappropriately) penalized the wholly innocent Amateur Radio operators,” the League asserted. “There was created a plethora of restrictions on manufacturers of external RF power amplifiers.”

The ARRL noted that while the FCC eliminated some of the unnecessary regulations in 2004, others remain, including the 15 dB gain restriction. The rules adopted in 1978 also called for type acceptance (certification) of manufactured RF power amplifiers operating below 144 MHz, including a 50 W minimum drive power requirement and a ban on amplifiers capable of operation between 24 and 35 MHz.

“Indeed, precisely the same rationale for elimination of the 50 W minimum drive power rule in 2006 applies to the elimination of the 15 dB gain rule for amateur amplifiers,” the ARRL said in its comments. “There is no continued justification for retaining the 15 dB gain limitation.” Read more <http://www.arrl.org/news/arrl-strongly-supports-petition-to-drop-15-db-restriction-for-amateur-amplifiers>.

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## Amateur Radio to Play Major Role in June Pacific Northwest Earthquake Exercise

**Cascadia Rising**, the largest FEMA exercise of 2016, will get under way on June 7, and Oregon and Washington ARES/RACES organizations both will be heavily involved, with a significant investment of HF activity planned. The scenario will be an earthquake and tsunami disaster involving the entire Pacific Northwest, and the exercise will start with a blackout of all normal, regular communication systems. Emergency/disaster alternate communication systems will be provided by Amateur Radio, and participants will include Maxim Memorial Station W1AW at ARRL Headquarters.

The initial plan calls for W1AW to be active and monitoring, and possibly passing traffic, if necessary, W1AW Station Manager Joe Carcia, NJ1Q, said. ARRL Emergency Response Manager Mike Corey, KI1U, said

Cascadia Rising will also involve the Emergency Response Team at ARRL Headquarters.

“Along with on participation via Winlink and HF voice, we will use it as an opportunity to exercise the ARRL Headquarters Emergency Response Team,” Corey said. “This team is called up to support the ARRL Field Organization during a major disaster, when support cannot be provided during normal business hours. The last activation of the team was during hurricane Irene in 2011.”

According to FEMA, a 9.0 magnitude earthquake along the Cascadia Subduction Zone (CSZ) and the resulting tsunami would be the most complex disaster scenario that emergency managers and public safety officials in the Pacific Northwest could face, and Cascadia Rising is an exercise to address that disaster. The exercise will conclude on June 10.

According to FEMA, emergency operations centers (EOCs) and emergency coordination centers (ECCs) at all levels of government and the private sector will activate to conduct simulated field response operations within their jurisdictions and with neighboring communities, state EOCs, FEMA, and major military commands. Both Washington and Oregon’s military departments will activate.

“Conducting successful life-saving and life-sustaining response operations in the aftermath of a Cascadia Subduction Zone disaster will hinge on the effective coordination and integration of governments at all levels - cities, counties, state agencies, federal officials, the military, tribal nations - as well as non-government organizations and the private sector,” FEMA said. “One of the primary goals of Cascadia Rising is to train and test this whole community approach to complex disaster operations together as a joint team.”

A Washington National Guard communications drill — “Exercise Vital Connection 2016” earlier this spring was a ramp-up to Cascadia Rising. The earlier exercise made use of the Amateur Radio 60 meter channels for civil authorities to interface with federal partners. - *Thanks to*

John Core, KX7YT, Oregon ARES District 1  
Emergency Coordinator for some information

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### Maritime Mobile Service Network Responds to Mayday Call from Stranded Vessel

The crew of a sailing vessel that foundered on a reef in the South Pacific in early May was safely rescued, thanks in part to the alert ear of Maritime Mobile Service Network (MMSN) member Russell Taylor, AI6GV, of San Marcos, California. On May 3, Taylor monitored a “Mayday” call on 14.300 MHz from the Alaska-based *Morning Dove*, at the time some 200 miles northeast of French Polynesia. The vessel’s captain, Bruce Moroney, KL3RK, reported that the 46-foot ketch, which had been en route from Apataki Atoll to Rangiroa - a passage of about 80 miles, had become stuck on a reef and was unable to move. The crew transmitted the Mayday distress call after the vessel began taking on water.

“We could see reef from the cockpit, we were lodged on a reef,” Moroney explained afterward to [Latitude 38](#). “I tried to reverse with no effect. Within 10 minutes conditions became extreme.” Moroney said the ketch’s hull and diesel fuel tank breached. An emergency position-indicating radio beacon (EPIRB) was activated, and a Mayday put out. “Within 15 minutes the radios were underwater,” Moroney said.

Taylor apprised the US Coast Guard of the situation and of the vessel’s position. The French Navy subsequently dispatched a helicopter to the area within about 6 hours of the incident, airlifting the four unharmed crew members to safety. Efforts were reported under way to retrieve the grounded vessel. The Coast Guard later called Taylor, telling him that if he had not monitored the Mayday, the consequences could have been devastating for the crew.

Assisting in the event were long-time net member William Sturridge, KI4MMZ, in Florida and his friend Peter Mott, ZL1PWM, in New Zealand who relayed information.

The Maritime Mobile Service Network monitors 14.300 MHz with operators on scheduled shifts from 1700 to 0300 UTC.

“This incident occurred well after scheduled net operations, when propagation on 20 meters usually is minimal at best,” Assistant Net Manager Jeff Savasta, KB4JKL, said. He pointed out that MMSN members often continue to monitor the frequency outside of the net’s regular schedule, keeping an ear open for just such events. “For the people on this vessel, it was a lucky day for them to have such a capable operator as Russ, AI6GV,” he added.

Taylor said it was fortunate that he caught the call and that he was pleased to participate in the international rescue effort. “This is how this network is meant to work,” he said.

“Needless to say, this was an experience none of us will soon forget,” said Moroney, a pilot and a past participant in the Iditarod Sled Race. — *Thanks to Jeff Savasta, KB4JKL, and MMSN Manager Rene Stiegler, K4EDX, and to Latitude 38*

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**COFFEE & DONUTS  
EVERY THURSDAY MORNING**

0:00 A.M.  
To  
10:00 A.M.



**Community Mtg Rm  
Silver Lake Mall  
Coeur d'Alene**

**TALK-IN: 146.980, PL127.3  
443.975, PL136.5**

Bring a Writing Instrument **Community Mtg Rm**  
has the napkins for our breakfast table engineering!

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: \_\_\_\_\_

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

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

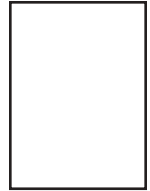
Name: \_\_\_\_\_ Call: \_\_\_\_\_ Class: \_\_\_\_\_

*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:	

**KOOTENAI AMATEUR RADIO SOCIETY**  
**P.O. Box 1765**  
**Hayden, ID 83835-1765**



## **DIRECTIONS TO KARS MEETING:**

Take U.S. Highway 95 to Miles Avenue (Miles is about 1 mile North of Hayden Avenue). Instead of proceeding west from the corner of Miles and Ramsey, go north about ¼ mile, to the first building on the left (West) side of the road.

## **2016 CLUB OFFICERS**

President: Dave Boss, KF7YWR  
president@k7id.org

Vice-President: Alan Campbell, KE7DFT  
vicepresident@k7id.org

Exec. Director: Lenny Gemar, N7MOT  
N7MOT@gemar.org

Secretary: Adam Crippen, N7ISP  
secretary@k7id.org

Treasurer: Rod Anderson, K7ZBE  
treasurer@k7id.org

Newsletter Editor: Gary Roth, KE7IAT  
509 993-8468 ke7iat@comcast.net

Repeater Trustee: Rick Van Landingham, KI7I  
ki7i@arrl.net

Repeater Tech: Dale DuRee, KE7VMN

Webmaster: Lenny Gemar, N7MOT  
208 691-4735 N7MOT@gemar.org

Past President: Dave Boss, KF7YWR

## **Notice**

Propagation is published monthly by the Kootenai Amateur Radio Society (KARS). The club is located in Coeur d' Alene, Idaho and serves the North Idaho and the Spokane, Washington areas.

All opinions expressed in this newsletter are those of the individual contributors and not the radio club as a whole.

KARS operates a voice repeaters on 146.980 and 443.975, and a packet repeater on 145.510 Mhz.

Anyone interested in Amateur Radio is welcome to join. Dues are \$15.00 (individual) and \$23.00 for a family membership. Contact the Treasurer if you wish to join.

If you know of anyone interested in joining KARS, you can notify the newsletter editor as to that parties' email address. A copy of this newsletter will be sent with no obligation to join.

Material can be submitted for publication in Propagation. The deadline for articles, etc., is the 25th of each month for the following month's issue.

Kootenai Amateur Radio Society

**K7ID**



**HAMFEST**

FEATURING : **SWAP TABLES** · **BREAKFAST & LUNCH** · **DOOR PRIZES** ·  
**SILENT AUCTION** · **VE TESTING (ALL LICENSES CLASSES)** · **CAMARADERIE**

**WHEN**

**Saturday, June 11<sup>th</sup>**

**7am to 2pm**



**WHERE**

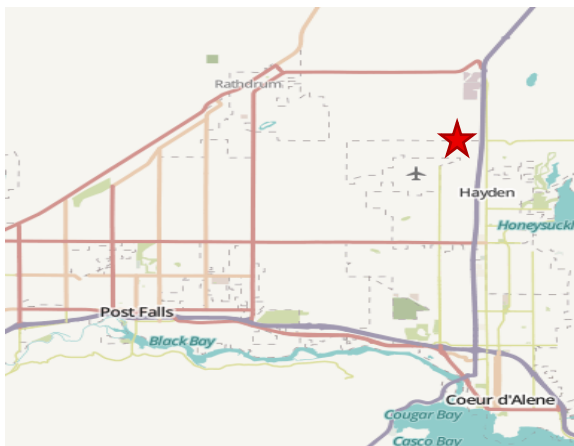
**CDA Shriner's Club**

**1250 W. Lancaster Road, Hayden, Idaho**

**Idaho Highway 95 North 6 miles from Interstate 90 to Lancaster Road and turn west 3/4 of mile, CDA Shriner's Club is located on south side of road.**

**WWW.K7ID.ORG**

**Contact: Adam Crippen, N7ISP  
secretary@k7id.org**



**ALL AGES EVENT**

**ADMISSION**

**\$5 ADULTS**

**16 and under FREE**

**SWAP TABLES**

**\$15 AT THE DOOR**

**\$12 ADVANCED**

**Advanced Tables must be purchased by May 31<sup>st</sup>.**

**Swap Table includes one admission ticket.**

**VE TESTING**

**Testing Starts at 9:30 am**

**PRIZES**

**Grand Prize Tickets:**

**\$5 or 3 for \$10**

**Door Prize Tickets:**

**Door Prizes Tickets: 3 for \$1**

**Door Prizes every half hour**

**146.98(-) 127.3**

**443.975(+ ) 136.5**

**Join us on either of our linked repeaters and we will gladly talk you in!**

**Nightly Net at 6:30pm**