



February 2016

(www.k7id.org)

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

## REGULAR CLUB MEETINGS:

**Monday, Feb. 8, 7:00 p.m.**  
**Search & Rescue Bldg.**  
**10865 N. Ramsey Rd.**  
**Hayden, Idaho**  
**Topic: SDR Software Defined Radio**  
**Presenter: Larry Telles, K6SPP**  
**Refreshments: ???**

**VE Testing**  
**Monday, Feb. 8, 5:30 p.m.**  
**10865 N. Ramsey Rd.**  
**Hayden, Idaho**

**Monday, Mar. 14, 7:00 p.m.**  
**10865 N Ramsey Rd**  
**Hayden, Idaho**  
**Topic: ???**  
**Presenter: ???**  
**Refreshments: ???**

**VE Testing**  
**5:30 p.m. to 6:30 p.m.**  
**Monday, Mar. 14**  
**10865 N. Ramsey Rd.**

**Upcoming Events**  
**Mike & Key ARC**  
**Electronics Show & Fleamarket**  
**March 5, 2016**  
**Washington State Fairgrounds**  
**110 9th Avenue SW**  
**Puyallup, WA 98371**

Letter from the President February 2016

Dave Boss KF7YWR  
boss@infintyusers.com  
208.290.8590

First and foremost I would like to apologize to the visitors and new members that witnessed the fiasco that transpired last month. What we witnessed was totally unacceptable behavior, regardless of the circumstances leading up to the meeting. While passion for this club is appreciated, self restraint and discipline are virtues that need to be present with that passion. Enough said on this matter.

Warm weather projects

At this point in the year we begin to look forward to warmer weather and all the activities that go along with the longer warmer days. As you know the club puts on our annual Hamfest in mid June and participates in the annual Field Day in late June. In addition, as part of our agreement with Kootenai County, we perform weed control at the Canfield repeater site, that needs to happen sometime during this same time. I am hoping that we can channel some of the energy and passion we have witnessed lately into constructive energies for these programs. Sign-up sheets will be at the front desk for those wanting to participate.

Program for February meeting

Larry Telles, K6SPP, will present a program on a software defined radio working in the UHF/VHF bands. I am looking forward to this and to see what the possibilities are for this hardware. With so many new technologies are springing up I am really glad we have such a resource as Larry to help us explore the new possibilities.

Dave, KF7YWR

Kootenai Amateur Radio Society  
December 2015 Meeting/Christmas Party

The business meeting began at 7pm, however was not formally called to order. George Schwimmer (W7GWS) informed the club that he was notified that there were two individuals who would like to run for office; One for Club President, and another for Vice-President. Member discussion was conducted and the November deadline for nominations was brought up. George Schwimmer made the motion to set the November deadline for nominations side in order to allow the two individuals to be considered for club office. Motion was 2<sup>nd</sup> by Ed Stuckey (AI7H). Count of the vote was conducted by Club Treasurer, Rod Anderson. For the motion: 14, Opposed: 12. The names of the individuals were then disclosed to the membership of those wishing to run: Gabbee Perry (KE7ADN) for Club President and Lindy Bryant (KE0AZD) for Club Vice-President.

Dave Boss (KF7YWR) and Adam Crippen (N7ISP) met with Dan Croskrey (NV2Z) about a Yaesu System Fusion Repeater that Dan would like to donate to the club in a meeting prior to the December meeting. The special pricing offer from Yaesu expired on December 31, 2015 and the repeater would need to be purchased prior to that in order to ensure the repeater purchase price. Mike Slothhower (KG7KSJ) made a motion that the clubs accept the repeater from Dan Croskrey, motion was 2<sup>nd</sup> by Adam Crippen (N7ISP) and passed by member vote.

Elections were held following the Christmas Dinner. Blank pieces of paper were dispensed to members and they were asked to write the names of the President and Vice-President. The ballots were counted by Ted Graff (K7TED) and two witnesses. The ballot count was a 12-12 tie. Blank ballots were again dispensed and members were asked to revote. After the second voting it was announced that Gabbee Perry and Lindy Bryant had won the vote for the office of Club President and Vice-President, respectively.

Gabbee Perry conducted the award ceremony and gift exchange.

Following the gift exchange, clean up began and Christmas Party was complete. Not formal motion to adjourn was made.

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Kootenai Amateur Radio Society  
Special Board-of-Directors Meeting  
December 17<sup>th</sup>, 2015

Special Board Meeting was convened in response to formal letters of grievance for both club members and Board Member, Adam Crippen.

Special Board Meeting Attendee and Board Position:

Dave Boss, KF7YWR	Club President/Immediate-Past Club President
Allan Campbell, KE7DFT	Club Vice-President
Rod Anderson, K7ZBE	Club Treasurer
Lenny Gemar, N7MOT	Executive Director
Rick VanLandingham, KI7I	Club Amateur Station License Trustee
Adam Crippen, N7ISP	Club Secretary

The Special Board Meeting was called to order 6:42pm, 17 December, 2015, by Club President Dave Boss. The Board discussed the status of Club membership and classes of membership. In accordance with the by-laws members are able to file grievances with the Board regardless of their class of membership.

Two grievance letters have been received by Club Secretary Adam Crippen, N7ISP. The authors of the grievances will not be disclosed to the general membership in an effort to protect the privacy of the author from the general membership in accordance with Article XIII, Section 1 (a) of the KARS By-Laws. In addition to the formal grievances, Club Secretary Adam Crippen also expressed verbal concerns to fellow members of the Board of Directors.

The Board reviewed the grievances and confirmed that the authors were valid club members.

Discussion was made concerning the motion made by George Schwimmer (W7GWS) to set aside the By-Laws and accept the nomination of two additional candidates for Club Officers. The motion was seconded by Ed Stuckey

and voted upon by members present. The polled votes were: 14 For/16 Opposed. In accordance with the By-Laws, Article XI, Section 1 & 2 which require an affirmative vote of two-thirds of membership present at the meeting.

Rick VanLandingham: "I would question if we had a two-thirds majority on Monday night."

Dave Boss: "Well no it says 'two-thirds of the membership present at the meeting' (Article XI, Section 2)."

Rick VanLandingham: "Did we have a simple majority or?"

Adam Crippen: "The first motion of the By-Laws on Monday night was a 14-12 split."

Rick VanLandingham: "And that was not a two-thirds majority. Therefore, that should have nullified that motion."

Rod Anderson: "Good Point."

The Board agreed that the motion made did not set aside the By-Laws because there was not the needed two-thirds voting majority vote needed to validate the motion.

Discussion was made on the November motion made by Jim Banks (KF7TFJ) concerning setting aside the term limits until December 2016.

Rick VanLandingham: "Article V, Section 2(b), on page 7. Specifically states it. 'No officer shall serve more than two consecutive years in an office'."

Dave Boss: "That's the term limits that we set aside in November, specifically spelled out to allow for the lack of people stepping up."

Rick VanLandingham: "Yes, and Adam did an excellent job of capturing that and reflecting that in the Minutes."

Lenny Gemar: "And so, based on that and based on two-thirds vote discussion that we just had, we appear to have properly amended the By-Laws in November to allow you (Dave Boss) and you (Adam Crippen) to continue in office."

The Board agreed that the motion made and voting results were conducted in accordance with the By-Laws required two-thirds voting majority present and therefore the motion was validated.

Discussion was made on the voting process which occurred at the December meeting. In accordance with Article V, Section 4 – Balloting Procedure, the Nomination Committee was to prepare paper ballots containing the names of the candidates for the same office, the ballots will be placed in a sealed container and counted by the KARS Secretary along with two volunteer observers, and in the event of a tie vote the winner would be declared by a coin toss.

The Board agreed that this did not occur and because the Board had previously agreed that the December motion concerning the By-Laws was not valid because of the lack of two-thirds voting majority, the voting process was also not conducted in accordance with the By-Laws.

Board Corrective Actions:

Rod Anderson made a motion to declare the elections of December 2015 vacated. 2<sup>nd</sup> by Lenny Gemar.

Board discussion and vote.

For: 6

Against: 0

Motion Passes.

Supporting Articles:

Article V, Section 3 (a); Article V, Section 3 (b.3);

Article V, Section 3 (c); Articles V, Section 4 (c);

Article V, Section 4 (d)

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Kootenai Amateur Radio Society  
January 2016 Meeting Minutes

The meeting was called to order at 7:02pm by Club President Dave Boss (KF7YWR). The Pledge of Allegiance was led by Rick VanLandingham (KI7I).

Club License Trustee, Rick VanLandingham reported to the club members of the grievance letters which were received from club members concerning the December elections of Club President and Vice-President. The discuss became heated is debate among many club members, Ed Stuckey (KI7H) made a motion to withhold further discussion for three months to serve as a "cooling off" period, the motion was 2<sup>nd</sup> by Pat Patterson. Rick

VanLandingham wished to modify the motion to a “cooling off” period of only one month. Todd Silk (AD7VB) made a comment that the club should accept the November 2015 results and move forward with business. Ed Stuckey agreed to modify the motion to a “cooling off” until the February meeting, the motion was re-2<sup>nd</sup> by Pat Patterson. Voting passed with 3 opposed. Lindy Bryant (KE0AZD) stated that there was no ill-intent only to conduct outreach to the community for the benefit of the club.

There was not a January program due to time restraints due to the discussion of the elections.

Brandon Velter is the owner of a new 2-meter and 70-cm repeater on Blossom Peak. 147.28+ (CTCSS 100.0) and 442.975+ (CTCSS 100.0), Brandon stated that the repeaters are linked together.

Raffle 50/50 of \$8.00 was won by K7TFJ, and Membership of \$43.00 was KE0AZD (not present).

Winter Field Day is January 30<sup>th</sup> 11am until January 31<sup>st</sup> 11am.

VE Testing results for 2015

63 applications: 38 technicians, 18 generals, and 4 extras

December testing resulted in Dale Dean (KG7KSK) advancing to his Extra Class, Congratulations.

Pat Patterson made the motion to adjourn the meeting at 8:45pm, 2<sup>nd</sup> Rick VanLandingham, motion passed and meeting was adjourned.

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### ARRL Board Adopts New Strategic Plan

The ARRL Board of Directors has adopted an updated Strategic Plan that defines the League’s vision and guides its direction over the next 5 years. ARRL COO Harold Kramer, WJ1B, a member of the Strategic Planning Working Group, said the revised plan represents more than 8 months of work on the part of the group’s seven members. Now-Honorary ARRL Vice President Jim Fenstermaker, K9JF, chaired the panel, which met some 2 dozen times, mostly via webinar. Kramer said input to the Strategic Plan was considerable and comprehensive.

“It will let the members know what to expect from their association,” he said. Kramer stressed that the updated plan “was not developed in a vacuum” but includes survey

input from ARRL members, the Board of Directors, the Field Organization, advertisers, Headquarters staff, and similar strategic plans that we could find. “We really tried to take into account what all of these different constituencies thought were the main issues, concerns, and direction of the League for the future,” he added.

When it adopted the Strategic Plan at its Annual Meeting in mid-January, the Board said in its resolution, “Further, the ARRL Board recognizes the Strategic Plan presented is the beginning of a more formal process for the ARRL and requires establishing priorities, resources, monitoring, review and modification and/or addition of goals, initiatives, and tactics supporting the Strategic Plan as future conditions and the environment change.”

Kramer said the Strategic Plan’s mission statement - To advance the art, science, and enjoyment of Amateur Radio - describes “what we are supposed to do as an association,” while its vision statement spells out “what we want to be.”

The meat of the plan is its six strategic goals, each of which includes a list of initiatives to further differentiate those goals. The goals are:

Grow Amateur Radio worldwide.

Increase the vitality of Amateur Radio.

Keep Amateur Radio accessible to all.

Advance Amateur Radio science and technology.

Organize and train volunteers to serve their communities by providing public service and emergency communications.

Practice good governance and organizational management.

“Tactics will be developed to define what must be done to support the goals and initiatives as well as to prioritize activities and programs for development,” Fenstermaker explained. “ARRL management is responsible for implementing and managing the process with the Board of Directors’ oversight.”

As the Strategic Plan states in its Preamble, “This plan is a starting point to assure that ARRL continues its leading role in the Amateur Radio community.”

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#### ARRL Signs New Memorandum of Understanding with the American Red Cross

The ARRL and the American Red Cross have signed a new *Memorandum of Understanding* (MoU). The document, signed in January, succeeds one agreed to in 2010; it will remain in place for the next 5 years. The MoU spells out how League Amateur Radio Emergency Service (ARES) volunteers will interface with the Red Cross in the event that ARES teams are asked by the Red Cross to assist in a disaster or emergency response.

“Whenever there is a disaster requiring the use of Amateur Radio communications resources and/or facilities, the local Red Cross region or chapter may request the assistance of the local ARES organization responsible for the jurisdiction of the scene of the disaster,” the *MoU* provides. Such assistance would include mobilization of ARES personnel in accordance with a prearranged plan, and the establishment of communication as necessary during a disaster or emergency. “Both ARRL volunteers and American Red Cross workers will work cooperatively at the scene of a disaster and in the disaster recovery, within the scope of their respective roles and duties” within the scope of the *MoU*, the agreement says.

Generally, the *MoU* sets the parameters of the partnership between the ARRL and the Red Cross to provide assistance to communities affected by disasters. It calls upon both organizations to encourage and maintain open lines of communication at the state and local levels, sharing current data regarding disasters, situational and operational reports, changes in policy or personnel, and any information pertaining to disaster preparedness, response, and recovery.

For its part, the League will encourage ARES units to engage in discussions with local Red Cross entities to develop plans for local response or disaster relief operations. The Red Cross will encourage its field units to engage in discussions with the ARRL Field Organization to develop plans for local response or disaster relief.

Facilitating this is a *Statement of Cooperation* to provide methods of cooperation between the two organizations on the local level in providing services to communities during or after a disaster event, “as well as other services for which cooperation may be mutually beneficial.” The ARRL signatory is either the appropriate ARRL Section Manager or Section Emergency Coordinator.

The new *MoU* also clarifies that ARES volunteers assisting the Red Cross but not registered as Red Cross volunteers do not have to undergo a prior background check. Radio amateurs who register as Red Cross volunteers, though, must abide by the Red Cross’s background check requirement.

Then-ARRL President Kay Craigie, N3KN, signed the *MoU* on behalf of the League on January 7, while ARC Senior Vice President-Disaster Cycle Services Richard Reed, signed for the American Red Cross on January 22.

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#### ARRL Announces Partnership with RFinder — The Worldwide Repeater Directory

ARRL has established an agreement with [RFinder](#), the creator of a web and app-based directory of Amateur Radio repeaters worldwide, to be its preferred online resource of repeater frequencies.

RFinder is a steadily growing worldwide repeater directory with over 50,000 repeater listings in over 170 countries. An annual \$9.99 subscription to RFinder provides access to repeater data through its collection of apps for Android and Apple devices, and from nearly any web browser. With one subscription, users have access to repeater data worldwide from computing devices on *Windows*, Mac, Linux, Android, Apple iOS, and popular GPS systems. A growing list of third-party memory programming applications support radio programming. RFinder provides integrated support for *EchoLink* on Android and iPhone, allowing users a one-click connection to repeaters worldwide from the directory.

“The RFinder team is honored to be ARRL’s partner, providing the very latest online repeater information and directory technology for radio amateurs in the United States,” said Bob Greenberg, W2CYK, creator of RFinder — The Worldwide Repeater Directory. “We look forward to working with ARRL to make RFinder even better for US hams.”

ARRL will receive a portion of each annual subscription to RFinder. US radio amateurs who subscribe to RFinder will have online access to its entire worldwide directory while supporting ARRL.

ARRL will discontinue its own products that had supported digital listings of repeater data including the *TravelPlus for Repeaters*™ software and its own apps. ARRL is working with RFinder on a plan to migrate existing ARRL app users to RFinder, in order to support remaining subscription terms.

“Rest assured that the printed *ARRL Repeater Directory*, updated and published each year, will continue to be produced,” said ARRL Marketing Manager Bob Inderbitzen, NQ1R. Inderbitzen explained that *The ARRL Repeater Directory*, available in pocket-sized and spiral bound desktop editions, is especially popular with new radio amateurs, mobile and portable operators, and public service volunteers who rely on the printed copies when they are offline and on the go. ARRL’s source of repeater data for *The ARRL Repeater Directory* is voluntarily

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### Midwinter 630 Meter Activity Weekend Set for Early February

US and Canadian radio amateurs and experimenters will join forces in February for the first Midwinter 630 Meter Activity Weekend. The event will get under way on February 6 at 0000 UTC (Friday, February 5, in US time zones) and run through 2359 UTC on February 7.

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### Satellite Package Carrying Amateur Radio Payloads Released into Orbit from ISS

A package of two satellites carrying Amateur Radio payloads has been deployed into orbit from the International Space Station (ISS) as part of a collaborative Texas A&M and University of Texas at Austin research effort. Built by Texas A&M students, AggieSat4 (AGS4) will release UT’s Bevo-2 CubeSat in about a month, once it is far enough away from the ISS. Both schools received support from NASA’s Johnson Spaceflight Center (JSC) for the design, construction, testing, and launch phases. The goal of the overarching LONESTAR (Low Earth Orbiting Navigation Experiment for Spacecraft Testing Autonomous Rendezvous and Docking) program is for the two satellites to individually rendezvous with each other and perform docking and undocking maneuvers.

“The overall objective is to find ways for small spacecraft to join together autonomously in space,” Helen Reed, KD7GPX, professor of aerospace engineering and director of the AggieSat Lab at Texas

A&M told NASA. “We need simple systems that will allow rendezvous and docking with little to no help from a human, which will become especially important as we venture farther out into space. Applications could include in-space assembly or reconfiguration of larger structures or systems as well as servicing and repair.”

The AggieSat team received its first beacon signal from the satellite at its Texas A&M Riverside Campus ground station. The AggieSat4 team is asking any Amateur Radio operators receiving the beacon signal to send any data to the AGS4 team. AggieSat4 will transmit 9.6 kbps FSK telemetry and 153.6 kbps FSK on 436.250 MHz. Once it’s placed into its own orbit, Bevo-2 will transmit on 437.325 on CW and 38.4 kbps FSK.

Both satellites were launched to the space station during a December 6, 2015, resupply mission. Earlier last week, Astronauts Tim Peake, KG5BVI, and Scott Kelly made preparations to deploy the sizeable LONESTAR phase 2 mission satellite package from the ISS, using the SSIKLOPS deployer. The satellite mission also will demonstrate communication cross links, data exchange, GPS-based navigation, and other tasks. AggieSat4 will capture images of the Bevo-2 release.

The satellites were independently developed by student teams at the two universities. Both teams were responsible for development plans for their satellite and had to meet established mission objectives.

The Bevo-2 Satellite was designed, built, and tested in the Texas Spacecraft Lab (TSL) at the University of Texas at Austin. “This whole experience is very exciting,” TSL Director Glenn Lightsey, KE5DDG, said last fall as undergraduate and graduate students were in the final stages of their project. “It’s great to have a research program where our students can build satellites that fly in space.” Reed and Lightsey are co-investigators for the LONESTAR 2 project.

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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: \_\_\_\_\_

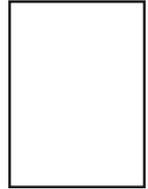
**RETURN THIS FORM WITH YOUR DUES, (CASH OR CHECK), TO THE KARS TREASURER, OR, MAIL TO: KARS MEMBERSHIP, P.O. BOX 1765, Hayden, ID. 83835-1765.**

**b**

(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

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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 \$20.00 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.