

September 2013

(www.k7id.org)

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

## REGULAR

### CLUB MEETINGS:

Monday, Sept. 9, 7:00 p.m.  
Search & Rescue Bldg,  
Hayden, Idaho

Topic: Computer to Interface  
Construction Project  
Presenter: John Hollar, N7JU,  
and Larry Telles, K6SPP  
Refreshments: Ron Phillips,  
KF7WKR

Monday, Sept. 9, 5:30 p.m.  
ARRL VE Test Session  
Same Location As Above

Monday, Oct. 14, 7:00 p.m.  
Search & Rescue Bldg,  
Hayden, Idaho

Topic: TBA  
Presenter: Allan Campell,  
KE7DFT  
Refreshments: Randy Carlson,  
KB6YAV

Monday, Oct. 9, 5:30 p.m.  
ARRL VE Test Session  
Same Location As Above

### Upcoming Events

Spokane Hamfest (Washington  
State Convention)  
September 28, 2013 9 a.m.-5  
p.m.  
University H.S.  
12420 E 32nd Avenue  
Spokane Valley, WA

## President's Column

There is definitely a hint of autumn in the air. The mornings are getting a little crisper, the leaves are starting to wilt and the flowers are fading. Now is the time to get those outdoor projects finished up. That antenna you wanted to adjust, the antenna you wanted to modify or the new one you wanted to put up this summer, those projects should be well underway if you are going to be able to use them this winter. If you need a little help, let your fellow club members know. They are always willing to help.

Hope you were able to attend our summer picnic held on Saturday August 17. The weather was almost perfect and the food was great as usual. We had a little larger turnout this year and it appeared everyone attending had a good time. Those of you that couldn't attend, you were missed. Maybe next year.

As is indicated in the events column, September's program will be a construction project. Many people have signed up for the computer to radio interface kits, but there are still a few available on a first come first served basis. More information about what to bring and how you can assist in the effort will be coming in an E-mail broadcast message the first of September. I have some good news to report. The missing funds from our checking and savings accounts has been returned. Resolving the problem included a lot of paperwork, new accounts and new checks, but we are back in business.

As most of you are aware, the repeater committee presented their plan for a new repeater configuration at the August meeting. There was an extended period of discussion before a motion was sent to the floor. The motion called for approval of the plan, with

the stipulation that, using current KARS equipment, the concept could be proved. The committee has been working on this task and will provide an update at the September meeting.

Larry Telles, K6SSP, has decided to take on the position of VE leader. He had agreed to do it on an interim basis, but decided with help from his friends he could take on the position for a more extended period. Thank you, Larry.

Plans are moving forward for the KARS Christmas Party to be held Monday December 9 at the Shriner's facility on Lancaster Road in Hayden. Please make a note on your calendar and plan to join us there.

In the mean time, let's get those outdoor projects finished.

Bonnie, KG6QQM

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## **KARS Repeater Trustee**

As many of you are aware, Jerry Hooper, KA7RNX, is moving out of Idaho. As a result, he has relinquished his position as KARS Trustee. Jerry served in this position for many years and we thank him for his work. He will also be giving up his position on our VE testing team. Jerry will be missed and we wish him the best in his future home.

Our new trustee will be Rick Van Landingham, KI7I. Rick is a fairly new member of our club and we appreciate his willingness to participate in club activities on a larger scale. Rick will be a member of the KARS Board as well as a liaison between the board and the repeater committee. Rick will be overseeing the repeater control operators as well as being the keeper and protector of the K7ID license. If

any of you would like to participate as a control operator, please contact Rick.

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## **KOOTENAI AMATEUR RADIO SOCIETY MEMBERSHIP MEETING OF AUGUST 12, 2013 MEETING MINUTES**

The meeting was called to order by President Bonnie Patterson.

Thirty nine members signed in along with 6 visitors. Our visitors were KG7CSJ, Dave Sawley; KG7CSI, Sue Taylor, both from Blanchard; Joyce Boss from Athol; Louise Bluhm of Post Falls; Mac Mackin and Tracey Cole also from Post Falls.

New Hams or upgrades from tonight's testing were Joyce Boss (new member), Casey Duncan, Martin Jones, Wendy and John Cockerham, Lyle McIntyre, Carl McIntyre, Howard Stavis, Jess Troyer, Charles Ballo and Ben Norin-KG7DUR (upgrade to General),

President Bonnie had the program for tonight. She gave a presentation on the various awards available for making contacts. Bonnie covered DXCC, WAC, WAS, Triple Play Award, USA-CA and the Rag Chewers Club. She also mentioned QCWA which is a club available to hams licensed 25 years or longer. Check out KO6LU for some real interesting awards.

At the conclusion of the program a short break for refreshments was taken. Thanks to Gary Holland – N7DHL for the most excellent cookies.

When the meeting resumed the monthly drawings were held. The 50/50 winner was Jim Miller, N8BNI for \$14 and the big pot membership for \$398 resulted in W7AJF's chip being drawn but alas nobody named Alan Fulleton was in attendance! It pays to attend KARS meetings if you walk off with the big one.

The minutes from the July 8 meeting were approved as they appeared in the August *PROPAGATION* newsletter.

The Treasurer's report was a bit unusual this time as Treasurer Pat reported on 2 incidents of fraudulent withdrawals from our checking and savings accounts. Pat has opened a fraud claim with the bank and we should receive our money back shortly. Someone was able to establish automatic withdrawals to our checking and savings account sending a total of \$4685.06 to a Western Union office where it was picked up by 2 different individuals, Alejandro Perez and a Hassan Ali. That's about all we know for now except that Wells Fargo is working in conjunction with authorities to catch these perpetrators.

**OLD BUSINESS:** Signup sheets for repeater workgroups and digital interface kits were available. Also the plastic

membership badges may be ordered from President Bonnie for \$10.60.

President Bonnie announced the resignation of John Hollar, N7JU, as our Chief VE Examiner. Larry Telles, K6SPP, will take on the duties, with hopefully a lot of help from his friends, on an interim basis until a replacement is named. Thanks to John for establishing our VE Testing and guiding it for these past years. John has done a real nice job of making sure we always had testing available if anyone wanted it and the paperwork was done promptly. That has been a good source of members for our club. Thanks to Larry for stepping up even though he just had cardiac bypass surgery.

On another sad note, Jerry Hooper, KA7RNX, our club (K7ID) license trustee is going to be leaving the area and has to give up his job. We appreciate Jerry's willingness to step up for the club and we will miss him. Bonnie is working on a replacement for Jerry and hopes to have this taken care of soon.

**New Business** The Legion has raised the rental cost of their building to where it would cost \$595 to have our Christmas party there this year. President Bonnie says that's too much and it sounds like the members agree, so we are looking at the Shriner's building on Lancaster in Hayden for less than \$300. Bonnie will finalize that shortly.

The cost of having the Hamfest at the Legion Building in Post Falls was quoted at \$1765 assuming we get our \$400 deposit back. This was deemed outrageous by all. Jim Monroe, N7ESU, volunteered to talk to the Legion Commander about a more reasonable price.

The Summer Picnic is still on for Aug 17 at Bonnie and Bob Kesson's house.

**REPEATER PLAN** As mentioned in last month's minutes, the repeater advisory committee was established to come up with a long range plan about where we are going with our repeater program. The members are Gary, N7DHL Chairman, Allan-KE7DFT, Dale D.-KE7VMN, Bob KF7VIH, and Bob K. K7CGA. Others were offered the opportunity to participate but declined. The plan was completed and presented to the KARS Board at the Aug 3 Board meeting. It was decided by the Board, especially in the light of no other plans being brought forward, that this was a reasonable solution to our coverage and reliability problems to be presented to the membership for approval and funding.

Gary Holland gave a presentation of the plan to the members. (See attached Exhibit A and B). The basic plan calls for a UHF repeater to be placed on Canfield Mountain and a new VHF repeater to go up on Mica. The 2 repeaters would be linked by a UHF link to simulcast both signals for improved coverage. New antennas were included for UHF and new controllers would need to be

purchased. The total cost of the repeaters and related equipment is about \$4000. The funds are in hand and there still would be enough held in reserve to operate the club including up-front money for the Hamfest. The committee asked that \$200 be allocated for misc. cable, connectors etc., making a total request of \$4200. If we are going to do this before the sites are inaccessible for winter, we must order equipment right away given lead time for delivery and time to put the system together for on the ground testing.

After discussion regarding the repeater plan a motion was made by Jim Monroe, N7ESU, to adopt the plan, purchase the antennas but do not purchase the new repeaters until we have tested the link on UHF. Reportedly we have sufficient equipment, excluding antennas, to complete the system and then upgrade to new equipment after the system proves to be effective. The motion was seconded by Ed Stuckey, AI7H. A show of hands indicated a majority of those present were in favor of the motion so it passed.

Next a motion to fund purchasing the new antennas in the maximum amount of \$350 was made and seconded. This motion passed.

There being no other business the meeting was adjourned by the President.

Prepared and submitted by:

Tom Richmond, NI7W, KARS Secretary

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## WHAT IF!

*By Larry Telles, K6SPP*

To borrow a phrase from Charles Dickens, "It was the best of times; it was the worst of times". I speak of the KARS repeater plan and its unveiling at the last meeting. But with the step-by-step implantation of the plan, all restless members at the meeting were somewhat satisfied.

Then, what if? What if what? What if the first step in the plan works and new repeaters are not needed. What do we do with the \$3650 left after buying a couple of new antennas? Listed below are several ways to spend all that money and get something in return.

1. Create a committee to negotiate with the owner of the FM station at the top of Blossom to rent space at his facility for \$100 a month. \$3650 will give us three years of complete valley coverage. Probably the best location for miles of mountain tops.

2. How about a KARS \$1000 scholarship for an outstanding student in the Coeur d'Alene school system who is going away to college to major in computer science or electronics. A lot of good press for KARS.

3. What about buying HF amateur gear (new or used) that the club can loan as they did with the Chinese handhelds.

4. What about buying HF amateur gear for Field Day so we won't need to depend on members to furnish their equipment. It is a KARS function.

5. What about buying an emergency generator for Field Day so we won't need to depend on members to provide the necessary 110 voltage. This would also free us up from being house-bound for electricity.

6. Why not buy a portable wireless PA system for club meetings. Not all of your speakers can project their voice to the back of the room.

7. We could purchase a laptop or notebook for the club Secretary and Treasurer position. It would make it easier to transition after elections. Why do members need to use their own equipment?

8. Could we purchase a wireless router for our meeting location and tell the owners of the building we will pay for half the cost per month for a DSL?

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### NOMINATING COMMITTEE

At the September meeting we will be forming a nominating committee. The nominating committee consists of three members: the board, the president, and the membership each select one member of the committee. Start thinking about who you would like to see on this committee. If you are interested in being on the committee, please step forward.

This year the committee will be selecting potential candidates for each of the five board positions: president, vice president, secretary, treasurer, and executive director. If you are interested in serving in any of these positions, please make the nominating committee aware of your availability.

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### K7ID/Repeater Echolink Node 426264 & K7ID-1 Digipeater (CDA-1) ...SK

With lack of apparent interest or a deployment of either of these two facilities, operations from my QTH in the City of Coeur d'Alene, has been turned off. The KARS Echolink Node, providing free world wide service to Technician+ class licensees was operational and available for testing for the past year. During that time, over 28 countries were worked along with hundreds of stateside QSOs typically using low power 70cm portables and Echolink Apps on Smart Phones. 'Tis time to pull the plug and move on. 73, John Hollar, N7JU

Higher FCC Vanity Call Sign Fee is Effective August 23 08/22/2013

The new FCC regulatory fee of \$16.10 to apply for an Amateur Radio vanity call sign will go into effect Friday, August 23, when the new regulatory fee schedule will appear in the *Federal Register*. Earlier this year the FCC had proposed upping the vanity call sign fee from its current \$15 to \$15.20, but in the *Report and Order* in MD Docket 13-140, released August 12, the Commission offered no explanation for the higher fee.

In another change, starting in FY 2014, the FCC will require that all regulatory fee payments be made electronically.

The *R&O* ordered a broad schedule of new fees and waived the usual 30-day waiting period following *Federal Register* publication, because it feared there would not be time for FY 2013 fees to become effective before the start of the new federal fiscal year on October 1.

The FCC says it expects \$230,230 in revenue to cover the costs of administering the vanity call sign program. It anticipates 14,300 vanity call sign applications. (ARRL Newslines)

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### KARS EQUIPMENT INVENTORY

We are trying to update the KARS equipment inventory. If you have any equipment or other item that is owned by KARS, would you please send me a description of the item. We don't necessarily want the item returned we just need to know where it is currently sitting. The board will review each item and decide if the item should be retained by the club.

We have a good description of each piece of equipment at both repeater sites. We also know where the tube tester and the VHF digipeater are stored. Information on any other items would be appreciated.

Our by-laws require a complete inventory of our holdings at the end of each year. Last year's inventory was not complete, so we are trying to do better this year.

Bonnie, KG6QQM

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**37<sup>th</sup> ANNUAL SPOKANE HAMFEST  
ARRL WASHINGTON STATE CONVENTION**

**September 28, 2013**

Hosted by 8 Amateur Radio Clubs  
University High School, 12420 E 32nd Ave, Spokane Valley, WA 99216

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**Seminars, Displays, Activities & Demos**

- “High Altitude Ballooning For Fun & Education” by Dan Croskrey, NV2Z;
- “The Amazing MFJ 269A” by Jack Tiley AD7FO;
- “ARRL Forum” by Jim Fenstermaker, K9JF;
- “Satellite Communication” by Rick Nungester, WA6NDR;
- “Coaxial Cable Choices” by Michael Carey, KD7GHZ;
- “ARES/RACES Forum” by Gordon Grove, WA7LNC;
- “Preparing for the HF Propagation Winter” by Randy Crews, W7TJ;
- “Junque” Auction” by John Dempster, W7OE;
- “Radio Test Gear” table with Jack Tiley, AD7FO;

Radio License Exam ~ Commercial & non-commercial vendors ~ Breakfast & lunch by Classic Cruisin’ Cuisine

**Raffle Prizes**

1st Prize: ICOM IC-7000 All Mode HF/6 Meters + 2 M + 70 CM Mobile Transceiver; 2<sup>nd</sup> Prize: Kenwood TM-D710A 2M/440 Transceiver APRS/TNC GPS/Echolink Ready; 3<sup>rd</sup> Prize: Yaesu FT-60R 2M/440 HT Transceiver with Wide RX; need not be present to win

**Door Prizes**

Kenwood TM-281A 2M 65 W Mobile Radio; Arrow 146-3 two meter hand held Yagi; Arrow GP-146/440 two meter 70 cm ground plane base antenna; 3 BaoFeng UV-5R Dual Band HT’s; over \$2,600 in prizes to be given away

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Friday, September 27th: vendor setup, 7PM-9PM

Saturday, September 28: 8AM doors open to vendors

**Saturday, September 28: 9AM - 5PM doors open to public**

Refreshments & confectionaries available; lunch by Classic Cruisin’ Cuisine; license exam 12PM “Junque” Auction 3:00PM; raffle 4:00PM; post Hamfest dinner Saturday, 5:30PM at the Timber Creek Grill Buffet, 9211 E Montgomery Dr., Spokane Valley

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**SPOKANE HAMFEST REGISTRATION**

Name \_\_\_\_\_

Call \_\_\_\_\_

Address \_\_\_\_\_

Phone number or E-mail Address \_\_\_\_\_

Please make checks payable & mail to:  
Spokane Hamfest, PO Box 2552, Spokane WA 99220-2552

\_\_\_\_\_ Registrations @ \$5 each \$ \_\_\_\_\_

Age 18 & under free

\_\_\_\_\_ Commercial Tables @ \$15.00 each \$ \_\_\_\_\_

\$12 if mailed on or before 9/07/13

\_\_\_\_\_ Swap Tables @ \$7.50 each \$ \_\_\_\_\_

\$5.00 if mailed on or before 9/07/13

Total \$ \_\_\_\_\_

## U.S. Army MARS Transpacific Exercise: “Great showing”

Everything about Pacific Endeavor-13 was simulated except for one big surprise. Electric power actually failed in “Pacifica,” the disaster-battered Asian nation that a small band of amateurs was seeking to assist. It happened right at the start of the globe-spanning exercise organized by the U.S. Defense Department Sunday night into Monday morning (Aug. 25-26).

At 9N1AA in Nepal, the real “Pacifica,” Dr. Sanjeeb Panday and fellow operators kept going on battery power with only 25 watts output. But a stroke of the other kind of luck provided a low-power digital link to an amateur in Afghanistan. He had joined Army MARS only days before the exercise

Although the operation only lasted just under three hours, months had gone into preparing PE-13. The Pentagon and U.S. Pacific Command set it up as a test of amateur emergency support in Asia after Japan’s tsunami catastrophe, using procedures of the International Amateur Radio Union. MARS, military stations and amateurs collaborated.

“We had stations monitoring in the Continental US, Hawaii, Japan, Germany, and Afghanistan,” reported Paul English, Army MARS program officer. “There was only intermittent reception in Germany and the US on PSK but we had a solid connection between Nepal and Afghanistan. Approximately 2 hours and 20 minutes into the exercise, power was restored in Nepal and we did have marginal voice communications from Nepal to Afghanistan and on to Germany.

“We were able to submit a number of spot info reports to the Pacific Command and responded to a number of Information requests in a timely manner,” English said. “This was a great showing by all.”

A star of the show was PSK-31, the very basic digital mode that travels well on low power, even in the otherwise grim propagation conditions during PE-13. “When power was restored in Nepal,” English said, “we did make limited voice contacts with Afghanistan. Germany. Hawaii could hear but not talk to Nepal. Propagation for voice only lasted a few minutes.”

A preliminary account had a total of 60 stations logged at MARS headquarters at Fort Huachuca and at the station in Germany of MARS region director Daniel Wolff. Participants, including MARS stations in the U.S. and Japan, used their amateur call signs.

One unique feature of PE-13 was use of the Defense Department’s open bulletin board for civil emergencies, APAN (All Partners Access Network). Army MARS Operations Chief David McGinnis coordinated information flow via APAN to the DoD and U.S. Pacific Command.

A second departure was avoiding mistaken public alarm from use of usual emergency language. Instead, all communication used terms from the game of cricket.

During rehearsals, messaging had been disrupted by hams seeking to contact Nepal, which is rarely heard on the air in most of the world. That was alleviated by resorting to abbreviated call signs plus the accident of dependence on digital during the actual exercise. Program officer English noted that “contest DX hunters” did reappear during the brief voice of voice transmission.

“There are many lessons learned from this exercise and I hope for a great learning process for all participants,” English commented. “Propagation was challenging throughout exercise. We had real-world challenges just as one would expect in a natural disaster.”

9N1AA had the last word. Dr. Panday messaged his relay station just over 1,000 miles west along the Himalayas, “I am very thankful to you. You did a great job.”- (HQ Army MARS Public Affairs Office) [ *I participated in Pacific Endeavor-13, but had to close down early due to lightning strikes in the local area.. - ed..* ]

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## Australia Ends Higher Power Trial for Radio Amateurs 08/26/2013

The Australian Communications and Media Authority (ACMA) has ended an 18-month trial that allowed participating Advanced licensees in that country to run up to 1 kW on the HF bands. Advanced licensees Down Under are limited to 400 W PEP. ACMA reached its decision earlier this month following a detailed assessment begun last March.

“After taking into consideration all the data obtained as part of the assessment process, the ACMA is of the view that the arrangements put in place for the trial should not continue,” the regulatory agency said in terminating the arrangement.

ACMA pointed out that slightly less than 3 percent of the 10,690 eligible licensees — 297 in all — took advantage of the trial. Operators had to apply for permission to participate in the trial.

“Of the 297 that did obtain the authorization, the ACMA was advised by some participants that they had not used higher power,” the agency said in its decision. ACMA said participant comments it received via the Wireless Institute of Australia (WIA) indicated that the benefits of running higher power “were confined to those respondents and do not demonstrate broader benefits to the wider community.”

ACMA also said some participants’ knowledge and awareness of Australia’s RF exposure regulations “did not meet ACMA expectations.”

ACMA said that while it’s aware that some countries do permit higher transmitter power output levels than Australia

does, “these countries are likely to have different and unique regulatory arrangements and policy considerations.” The regulatory agency said it must base its decision “on the data collected during the assessment process and the requirements of the domestic legislative environment.” Authorization to operate at higher power output expires August 31.

The WIA for some time has been pushing for higher power limits for Advanced licensees, who feel the current 400 W power limit puts them at a disadvantage, especially in contests, while other countries permit 1 kW or more. After the New Zealand Association of Radio Transmitters (NZART) was able to convince regulators in that country to raise the power limit on similar grounds, the WIA was encouraged to again pursue the matter. After the WIA was informed of ACMA’s decision to end the trial, and, following talks, it was decided that the ACMA would revisit the issue next year. – *ACMA, WIA, Jim Linton VK3PC* (ARRL Newsline)

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## **ARES-RACES Volunteers Remain on Duty for Rim Fire Response**

08/30/2013

ARES-RACES volunteers in Central California now have been on duty for more than 10 days as part of the response to the gigantic Rim Fire in and near Yosemite National Park and the Stanislaus National Forest. The initial callout on August 19 responded to a request to assist the Red Cross in setting up an evacuation center at Tioga High School in Groveland, California, for residents leaving the fire zone from Buck Meadows in Mariposa County, said Tuolumne County ARES Emergency Coordinator Carl Croci, NI6Z. He and Grayson, KE6KYI, met Red Cross volunteers and evacuees at the school and established communication with the Red Cross office in Sonora, where ARES has a VHF station. The next day, shelter operations were secured and relocated to the Tuolumne County Fairgrounds in Sonora.

### **In Harm’s Way**

In the meantime, Croci and his wife Melissa, KD6FFX, who live in Groveland, found themselves on a stand-by advisory evacuation notice. “We started making preparations to leave our home,” he said, “gathering up important documents, photos and other irreplaceable items.” By August 22, the smoke generated by the fire was more than the couple could take, so they packed up their two cats and headed to Sonora – some 20 miles to the northwest – where they took shelter with Paul, WA7AWC, and his wife Dean, KG6GBZ. They remained there until August 25.

### **Several Hats**

Also on August 20, the Tuolumne County Office of Emergency Services requested Amateur Radio assistance to staff the Red Cross shelter at the Fairgrounds in Sonora and to the community information telephone system at the Tuolumne County emergency operations center. Croci and Tuolumne County RACES Officer Phil Fish, WB6GGY, handled the callout and soon had volunteers for both locations as well as some on standby.

“Here in Tuolumne County,” Croci explained, “the Amateur Radio community wears several hats – ARES, RACES, VIP and CERT. If needed, we can respond and change affiliations as conditions change.”

Croci said volunteers from Calaveras County ARES also have been pitching in. “We are still staffing the Red Cross Shelter and the community information phone lines with four ARES/RACES operators on the phones and two in the shelters,” he said at mid-week. The Red Cross was sheltering approximately 100 evacuees. Eight radio amateurs have been staffing the shelter, while another 12 handle the community information telephones at the EOC.

Fish has described the fire terrain in Tuolumne and Mariposa counties as “very, very, very rugged.”

### **Fresno County ARES**

To the south, Fresno County ARES was put on alert August 19 by the Central Valley Red Cross. “We were asked to relay information from their shelter,” said Fresno County EC Dan Pruitt, AE6SX. “We had our volunteers operating from home, monitoring the Mariposa 146.745 repeater at Mt Bullion.” Mariposa County ARES staffed a shelter at Greeley Hills Community Center, ready to pass traffic to Red Cross Headquarters. “This continued for about 24 hours before the shelter shut down from a lack of clients,” Pruitt said.

A few days later, on August 25, ARES was reactivated, due to more evacuations and the need for a shelter. Volunteers set up the next day at the Red Cross office in Fresno, where they installed a station capable of operating on emergency power. “We made contact with Mariposa County ARES at the Greeley Hill shelter,” Pruitt said. “We passed traffic until we were asked to shut down for the night.” Volunteers returned early the next day. They dismantled the station on August 27. Pruitt said eight volunteers turned out for the activation.

### **Digital Impresses**

During the activation, Fresno County ARES used Fldigi and Flmsg – a forms management editor – on PSK125 to pass traffic from the shelter and the Red Cross Headquarters. “We found that the faster speed and wider signal [resulted in] fewer errors.” Pruitt said, adding that the Red Cross “was very impressed” with their ability to

send and receive traffic in the Incident Command System general message form (ICS-213), filled out and printed.

### Still a Threat

According to the National Interagency Fire Center (NIFC), the Rim Fire as of August 29 covers nearly 200,000 acres, with almost 7000 acres burned over in the past 24 hours. The Rim Fire, 32 percent contained, has now has claimed more than 110 structures – including a few houses – and the cost of fighting it is approaching \$50 million. The communities of Tuolumne City, Twain Harte, Long Barn, Pinecrest and the Hetch-Hetchy watershed are threatened, as are power lines in the region. Evacuations and road and area closures are in effect. The Rim Fire is not expected to be fully contained for another 10 days or so. (ARRL Newsline)

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### RADIO LAW: FCC PROPOSES NEW RF EXPOSURE STANDARDS THAT WILL ELIMINATE HAM RADIO EXEMPTION

Amateur radio operators in the United States who live in developments where they want to keep their anonymity may soon find it hard if not impossible to do so. This is because of proposed new rules on RF exposure from the FCC that would remove the blanket exemption that currently keeps hams from having to conduct RF radiation studies.

Under the proposed new regulations, households where amateur stations operate should be considered to operate under occupational exposure standards. According to the FCC, this could eventually require education for household members and the posting of signs warning of the possibility of exposure to RF.

While not the law yet, more about the plans by the FCC to increase the scope of its overall RF exposure standards in all areas of its oversight can be read in an article by noted author Scott Fybush and published in the trade publication Radio World. You can find it on-line at [tinyurl.com/living-with-rf](http://tinyurl.com/living-with-rf). (Amateur Radio Newsline)

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### Ham Radio Transponder Payloads to Launch in 2014 08/09/2013

Two CubeSats, carrying SSB/CW and FM voice transponders are scheduled to be launched into a 600 km orbit during the first half of 2014. That news came during the [QB50 Project presentation](#) at the AMSAT-UK International Space Colloquium earlier this summer.

The QB50 project team has signed a *Memorandum of Understanding* with AMSAT-UK, AMSAT-Francophone and AMSAT-NL to enable two Amateur Radio payloads to fly on two yet-to-be-named “precursor” CubeSats in advance of the main mission, to deploy about 40 double satellites. The CubeSat launch allows for the testing of key

satellite and payload components. In addition, the precursor mission allows for experimentation and validation of the QB50 operational concept.

The Amateur Radio payloads will become the primary payload of the spacecraft once all QB50-related experimentation has been concluded. The AMSAT-F payload for one of the satellites will be an FM voice relay with VHF uplink and UHF downlink. It will also transmit FX25 telemetry at 9.6 kbit. The AMSAT-NL payload on the other precursor satellite will incorporate an SDR-based, linear V/U transponder core. It will provide a telemetry downlink at 1.2 kbit. The QB50 spacecraft generally will have downlinks in the 435-438 MHz Amateur Satellite Service allocation, although some are expected to use 2.4 GHz. — *AMSAT News Service/AMSAT-UK*

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### THE RADIO DOCUMENTATION PROJECT MANUALS FOR CHINA BUILT RADIO GEAR

If you own a China built hand-held and have questions that the manual does not answer, there’s now a new source of information. Calling itself the Radio Documentation Project, this website plans to provide high quality and in-depth open source documentation user manuals for mainland-China built handheld two-way radios.

Its first completed work is a PDF file containing a well documented manual for the popular Baofeng UV-5R dual bander. The instructions are clear and distinct. Best of all it is available as a free download at [tinyurl.com/new-uv5r-booklet](http://tinyurl.com/new-uv5r-booklet). (Amateur Radio Newsline)

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**COFFEE & DONUTS  
EVERY THURSDAY MORNING**

**8:00 A.M.  
To  
10:00 A.M.**

**The Golden Spike  
Community Center  
Rathdrum**



**TALK-IN: 146.98  
100 PL**

Bring a writing instrument. The Golden Spike 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

PO Box 17□5, Hayden, Idaho 83835-17□5



Please complete the entire form and return with your payment.

## Single Year Membership

New Member \$12.00    Renewing \$12.00    Family Membership \$18.00    Information Update Only

## Two Year Membership

New Member \$22.00    Renewing \$22.00    Family Membership \$33.00

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

First Name & Middle Initial \_\_\_\_\_ Last Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone Number \_\_\_\_\_ E-Mail Address \_\_\_\_\_

ARRL Member \_\_\_\_\_ May we publish limited information \_\_\_\_\_

Internal Use Only

Cash	<input type="checkbox"/>	Check	<input type="checkbox"/>	Money order	<input type="checkbox"/>
Roster	<input type="checkbox"/>	Membership Card	<input type="checkbox"/>		

For Family Membership, Please complete an application and staple together.

Signature \_\_\_\_\_

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## K7ID.org Request Form

First and Last Name \_\_\_\_\_ Callsign \_\_\_\_\_

Would you like your (callsign)@k7id.org email to be forwarded to an existing email account or would you like to access it through a web or post office protocol (POP) system?

Please Forward to My existing Email (Please Complete the Bottom and Sign.)    Webmail Access    POP Access  
 I wish to opt-out of K7ID.org

Please Select a username \_\_\_\_\_ @K7ID.ORG

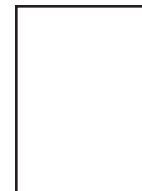
Please Select a Password \_\_\_\_\_

### For Forward Request Only

Email Address \_\_\_\_\_

Signature \_\_\_\_\_

**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.

## **2013 CLUB OFFICERS**

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## **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 repeater on 146.98 and a packet repeater on 145.510 Mhz.

Anyone interested in Amateur Radio is welcome to join. Dues are \$12.00 (individual) and \$18.00 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.