

March 2013

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

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

## REGULAR CLUB MEETINGS:

**Monday, Mar. 11, 7:00 p.m.**  
**Kootenai Search & Rescue  
Bldg., Hayden, Idaho**  
**Topic:** Amateur Radio Satellites  
**Presenter:** Rick Nungester,  
WA6NDR  
**Refreshments:** Jacob, K7AJC,  
and Lorien, KF7TUY, Cord

**ARRL VE Testing Session 3/  
11/13 5:30 PM Walk-ins welcome**  
All exams administered.

**Monday, April 8, 7:00 p.m.**  
**Kootenai Search & Rescue  
Bldg., Hayden, Idaho**  
**Topic:** Antennas  
**Presenter:** Ed Stuckey, AI7H  
**Refreshments:** Joel Brown,  
KE7FHS

### Upcoming Events

**Idaho QSO Party**  
**March 9-10**

**Mike & Key Hamfest**  
**March 9**  
**Puyallup, Washington**

**Idaho State Convention**  
**April 26-28**  
**Boise, Idaho**

### President's Column

Spring is approaching, but as far as I'm concerned it can't get here soon enough. I am tired of the cold and the wet. Besides that, our driveway seems to be an ice magnet. A dip in temperature and the slightest dampness and we have ice.

What better time to look forward to our annual Hamfest. Yes, we are going to have a Hamfest this year. I want to thank all of you that suggested locations to host this year's event. A couple of them are quite promising, but time will be needed to work out the kinks. They will provide a starting point for next year.

Remember that the Hamfest is our one fund raising event of the year. Our costs this year are higher than usual so to combat this we need a large turnout. Encourage all the hams you know to attend and have a great time.

This year's Hamfest will be held at the American Legion in Post Falls. Our event will be held, as usual, on the second weekend of June (June 8, 2013). As many have stated, the second weekend in June is not the greatest weekend for a Hamfest. There are weddings, graduations and the weather is always iffy. But it does fit in between other Hamfests in the area and people are used to that weekend.

We have received the ARRL approval for our Hamfest and they will be sending us gift certificates to use as door prizes. The ARRL approval means that we need to show the ARRL logo on all printed material associated with the Hamfest. It also means that we are included on their web page listing of ham fests held nationwide. With this approval, we have printed flyers that will be given out at the Mike and Key Hamfest in Puyallup, Washington, on March 9. One of the best forms of advertisement is word of mouth, so please mention the event on any net you participate in.

Some of you that are new to our club, may not realize what our Hamfest involves. Many things need to be done prior to the day of the event. There are information signs to be made, prizes to be purchased, food to be purchased, stationary supplies to be gathered and workers to schedule. The evening prior to the event the room must be setup. In order to make this a more pleasant task, we also hold a potluck dinner that night. You can eat and then help with setting up the room.

As has been our tradition, we serve a hot breakfast which consists of pancakes, eggs, sausage and coffee or orange juice. The breakfast items are available from 7:00 AM until 10:30 AM or until we run out of food. The breakfast is followed by lunch. We serve hamburgers with all the fixings, chips, and soda or water. Club members are chefs for the day. We try to run a breakfast crew and a separate lunch crew. So if you like to cook, or are a good gopher, we can use your help.

The club also sponsors an equipment sales table. All items on the table are donations, with all proceeds going to the club treasury. All the donated equipment is

evaluated and repaired when necessary. If you have something that you are no longer using, consider donating to our table.

The club also will sponsor a consignment table. If you want to sell some equipment, but don't have enough to justify a whole table, consider the consignment table. You are limited to 10 items. You must specify your asking price and your minimum acceptable price. Put a little space between the two numbers so the "salesman" can negotiate with prospective buyers. You are charged a \$5 set up fee and 10% of the selling price will also go to the club. If your treasure doesn't sell, you are responsible for removing it from the facility.

While all this is going on, our VE team will be conducting testing in a separate room. As always, Technician, General and Extra class testing will be available. Testing starts at 9:00 AM.

As you can see there is a lot going on in a short period of time. We will need volunteers to fill various tasks. If you are available that day, we would appreciate your participation.

Mark the date on your calendars, Saturday June 8 and come have a fun day in Post Falls.

In the meantime, don't forget the Idaho QSO party the weekend of March 9th and 10th. The event starts at 11:00 AM local time on the 9th. See how many contacts you can make. Compile a log of your contacts and turn it in to Ed Stuckey, AI7H, at [AI7H@arrl.net](mailto:AI7H@arrl.net).

See you at the March meeting.  
Bonnie KG6QQM

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## REMINDER

For those of you that haven't paid your KARS 2013 dues, they are now due and payable. Dues for one year is \$12 or \$18 for a family. Dues for two years is \$22 or \$33 for a family. Your membership will lapse if your dues are not paid by March 31, 2013.

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## QST QST QST... (We need them)

The VE team has depleted its supply of past issues of QST and CQ magazines that we give out when testing applicants pass their Technician Class License. These past dated magazines are gratefully received and enjoyed when new licensees realize there are fantastic publications available to support their new hobby. They also serve as an inducement to join KARS and the ARRL. Load them in a box, or tie them in bundles ... but bring them to the next (or any) KARS meeting. You'll be doing a great service to our hobby. – N7JU

## Highlight MARCH 9 in Your Calendar



### The Idaho QSO Party

Yes, it's almost Idaho QSO Party time again. The actual event will take place for a 24-hour period, beginning at 11AM local time on Saturday, 03/09/13. If you want to talk with a lot of ham stations, this is the place for you, as less than 1% of American hams live in Idaho! For complete details, go to this web page: <http://www.idahoarrl.info/qsoparty/index.html>

You may recall that KARS is the sponsoring Club for the Idaho QSO party. This means that we receive the logs, evaluate them, create a participation recap, and eventually e-mail certificates of appreciation to all participants. This year we need volunteers to assist with these activities. Please contact me ([ai7h@arrl.net](mailto:ai7h@arrl.net)) if you can help out!

73,  
Ed Stuckey, AI7H  
Idaho ARRL Section Manager

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### KOOTENAI AMATEUR RADIO SOCIETY MINUTES OF FEBRUARY 2, 2013 BOARD MEETING

The meeting was called to order by President Bonnie Patterson at 9:15 am. Board members attending besides President Bonnie were Alan Campbell, Jerry Hooper, Pat Patterson, Tom Richmond, and Jacob Cord. Dale DuRee attended as a guest and repeater advisor.

**Remaining Work on Repeater Installations:** Dale informed the Board that he would like to find a rack to

mount the Mica machine and related equipment in. The Board instructed him to see what he could find and it would be considered. Using the old cabinet is another option but the rack is preferred. Dale says we need to put a new antenna cable on the UHF antenna. He would also like to re-do the coax entry to get it above ground. The Board instructed Dale to proceed with both items.

As far as Canfield is concerned about all that is needed is to replace a U-bolt on the antenna mount.

**Additional Installations at the Repeater Sites:** A question about installing the digipeater at Canfield rather than Mica as we originally planned was discussed by the Board. It was decided by the Board, since it appears that the Mica repeater is the most used, we will have the digipeater at Mica.

There has been a question about whether the dual band antenna on Mica is any good. While Dale says he does not like dual band (VHF-UHF-) antennas because of performance issues, he feels all we need is a new antenna cable and maybe a relocation. The dual band antenna is only used for UHF on Mica. Dale was authorized by the Board to make that repair when he can get up to the site.

Dale informed the Board that we should be thinking about upgrading our current 1960's GE Master Exec 2 repeaters to newer GE Master II or Master III models because the age of the existing units makes them less reliable. Dale will be on the lookout for suitable units as many agencies are going to NBFM and some good equipment may be available.

**Hamfest 2013:** As of right now, we do not have a reasonably priced location for the swap meet. We would have to commit more than twice what we did last year for rent alone at the Legion in Post Falls. The Kootenai County Fairgrounds was looked at but they were too expensive and they wanted 15% of the gross food revenue which leaves us with very little. President Bonnie is checking on a couple of the schools locally. It is likely that we will not have a Hamfest this year. Some of the Board members felt that if we miss a year it will be difficult to re-start if we were able to find a suitable location next year. We are running out of time as far as publicity is concerned. [Ed.: The American Legion Hall site was approved for 2013.]

Another issue for us this year is the cost of main prizes. We would most likely only be able to have 1 main door prize due to cost.

**Gift Certificates for Program Presenters:** The Board decided to give our presenters a gift certificate if they are a second time presenter since they already have a plaque. Twenty dollars was decided since the plaque is \$18.

**Audit :** Gary and Jacob will do the audit this year.

**Equipment Inventory:** Alan is working on finalizing this. Dale offered that he has a lot of information already gathered and he will make that available.

**KARS sponsored Tech and General Classes :** Dale

DuRee agreed to teach a Technician class at the S&R building. This will be a basic class and not get into technical theory any more than necessary. The club will buy the manuals and have them for sale 1 week prior to class. There will be no charge for the class.

There is a possibility that another member will teach a General class that will go into theory in more depth later in the year.

We will try to find some old VHF radios that we can refurbish to make them available to the new hams for them to use until they have a chance to get their own radio. We will consider special needs cases that need some financial assistance to get started in the hobby.

**2013 Programs :** We still need programs for the months of August, September, and October. If we don't have a Hamfest, then we will need 1 more. Some suggestions were made and will be followed up.

**Dues and Life Memberships:** Considering the additional expenses we have taken on for the repeaters, it was decided that we should look at a dues increase for 2014. Treasurer Pat was instructed by the President to prepare a new schedule and it would be presented to the membership at the next meeting.

**Recognition for NW Traffic Net Control Operators :** The net manager had requested a plaque for the net control operators. The Board felt that it is too soon to give an \$18 plaque when someone has only been serving for a month or 2. It was decided that a certificate of appreciation could be given. After the operator had served for a least a year, something else could be considered.

**Field Trips:** The possibility of addition trips similar to the 9-1-1 Dispatch Tour were discussed. A trip to the Bird Museum in the Sandpoint area was mentioned. Any other suggestions should be given to President Bonnie.

There being no further business the meeting was adjourned.

Submitted by: Tom Richmond, KARS Secretary

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Kootenai Amateur Radio Society  
Membership Meeting Minutes  
February 11, 2013

The meeting was called to order by President Bonnie Patterson.

After the Pledge of Allegiance, the results of VE Exams were announced:

Technicians - Patrice Adams, KG7BGI; Jacob Bucalo, KG7BGF; John Tunison, KG7BGG, and Andrew Rausch, KG7BGH.

New General Class Hams include: Darwin Hall, KF5IGP; Dwight Sederholm, KF7TFK; David Adams, KF7FCB; and Larry Westerfield, KF7TRA. Congratulations to all.

New KARS Members tonight include Jacob Bucalo,

KG7BGF , John Tunison, KG7BGG, and Greg Karney, KG7AQY.

Dave Barger , KG7AGM, was introduced. Dave cannot drive and needs transportation to be able to attend KARS club functions. He lives at Harrison and Lincoln in Coeur d'Alene. Contact Bonnie if you can help Dave out.

Our Program for the evening was "Those Digital Modes" presented by Larry Telles, K6SPP. As usual it was a very easy program to follow about what software you need to access the various digital modes, a simple interface for your transceiver, cables and connectors you need and the various digital modes such as PSK31, RTTY, AMTOR, PACTOR, MT63, JT65 and others. Good job, Larry. Larry indicated the program would be available on the k7id.org website shortly. There was a handout and a CD with some software distributed to the members. If you missed out, see Larry and he may have some extras.

After the program, there was a short intermission with excellent treats from Cheryl and Jim Banks.

After everyone was refreshed, the meeting resumed. We have 2 members who are under the weather so everyone signed cards for Gary Beaudreau, KE7UQM, and Bearpaw Galindo, KE7ADT. We all hope both of you are back to 100% in short order.

Next the Membership Drawings were held. Alan, KE7DFT, was the 50-50 winner and Gary, N7DHL, was drawn for the big membership prize of over \$300. Too bad for Gary! He didn't come to the meeting. Better luck next time. Remember to be eligible you have to attend, buy a ticket and have paid your dues before the drawing.

January meeting minutes were read and approved by membership.

Treasurer's Report : Cash on hand and in the bank is \$ 6,543. There were no bills that needed approval.

#### OLD BUSINESS

Audit Committee: Jacob Cord and Gary Holland will audit the KARS 2012 Treasury in the next couple of months.

Equipment Inventory: Alan Campbell and Dale DuRee are working on this project. They need to finalize the repeater equipment part of the inventory.

President Bonnie asked for volunteers to take care of badges, collect garbage and the "Sunshine" Committee. Contact her via e-mail if you are interested:

[president@k7id.org](mailto:president@k7id.org)

Hamfest or Swap meet 2013 : Even though the Legion has more than doubled our rental fees, making profitability of the event doubtful, a motion was made by Ed Stuckey, AI7H, to authorize President Bonnie to negotiate a contract with the Legion to have the event there. The motion received a second and was passed on a voice vote by the members present.

K7JMC asked that something be done to keep the 2 repeaters from interfering with each other when they both

ID at once. Dale DuRee will work on that but it is difficult to reach either site right now to make changes due to weather.

#### NEW BUSINESS

Life membership was presented to Bob Schaff, KF7VIH. ARRL Idaho Section Manager Ed Stuckey, AI7H, reminded everyone of the Idaho State QSO Party to be held March 9. Everyone is welcome to participate whether you are a contester or not. Go to [www.idahoarrl.info/qsoparty](http://www.idahoarrl.info/qsoparty) for more info.

The Idaho State ARRL Convention is scheduled April 26-28 in Boise. For more information, please contact Convention Coordinator, Don Lynn, ND7L, via e-mail: [nd7l@arrl.net](mailto:nd7l@arrl.net)

Dues Increase : Due to our increased level of expenses having 2 repeaters and the unknown contribution from our main fundraiser, the KARS Board initiated a dues increase. Dues for 2014 will be:

Single membership	1 year	\$15.	Single
membership	2 years	\$28,	
Family Membership	1 year	\$23	Family
Membership	2 years	\$42	
Life Membership		\$150	Family Life
Membership		\$225	

Highway Cleanup : Jerry Blyth, KE6RVZ, will lead the effort in April. Official date will be announced.

Technician License Class : Dale DuRee will get this started around the middle of March, if a suitable location to hold the class is identified.

OTHER ANNOUNCEMENTS : Mike and Key ham club in Tacoma will have their annual swap meet March 9th in

#### 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.

Puyallup, WA. It's a great place to spend your money or sell something. For info go to: <http://www.mikeandkey.org/>  
Wednesday Roundtable : Everyone welcome. See k7id.org for details.

Northwest Traffic Net : Nightly at 6:30 p.m. or 1830 for you hardcore hams on our repeater.

Gabby Perry, KE7ADN ,is the Net Manager.

March Speaker : Rick Nungester, WA6NDR will give a presentation on amateur radio satellites.

ADJOURNMENT: There being no further business, the meeting was adjourned.

*Submitted by: Tom Richmond, NI7W, KARS Secretary*

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Club Member Biography  
Charlie Ford

KF7WPA

Technician License

July 2, 2012, Boise, Idaho

Charlie was born and raised in Coeur d'Alene. He developed his interest in electronics by working in his father's business, Ford's Appliance and TV, while he was growing up. Due to that interest, he studied Electrical Engineering at University of Idaho. Upon graduation, he was commissioned as a Signal Corps Lieutenant, where he worked with various types of radios for over two decades. He retired from the US Army in 2004 as Lieutenant Colonel. At his ten year CHS class reunion, he ran into his old friend Ginger, who he met in 6th Grade Band. Ginger and Charlie have been married for 28 years and have three children. Since retiring from the military, he works part time as a Defense Contractor. A friend in Boise, Elliot Stoddard, K7TRY, was a HAM and encouraged him to get involved. Charlie started attending Idaho Bureau of Homeland Security Auxiliary Communications Services with him. He attended their Field Day before he even passed his FCC test. Charlie is a member of BHS ACS, Voice of Idaho Amateur Radio Club, and joined KARS in November. He just volunteered to be member of Kootenai County EOC and hopes to get involved with ARES/RACES in the future. His current challenges are to figure out what radio to buy and to study for his General Class license.

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## Getting ready for Echolink on the K7ID-R UHF Repeater

by N7JU - Node Number 123513

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

Last month we described how to obtain your Single Operator Node Number from the EchoLink<sup>®</sup> system [http://www.echolink.org/register\\_data.jsp](http://www.echolink.org/register_data.jsp) Remember it's free! In addition, we described how to program your UHF capable portable, mobile unit or base station to the KARS

Echolink repeater frequency. You need to receive on 443.975 MHz. (Repeater output frequency); and transmit on 448.975 MHz. using a 100Hz, PL (CTCSS) tone when you key your unit. You may test your unit programming by attempting to key the UHF KARS repeater. Remember, it's currently deployed low profile in CDA and not on Mica Mountain until Spring when we can reach the site for its permanent installation. The flat terrain range is approximately 8-10 miles radius from downtown CDA. Base stations can do much better, of course. Give it a try. Thank you for all the e-mails and for registering your Node numbers with KARS for inclusion in our K7ID-R Echolink "**FAVORIES LIST**". Our list can be accessed using a three digit Touch Tone<sup>®</sup> code and will connect to any station that is *currently on Echolink* at the time. Since Echolink as K7ID-R has been on (24/7) for the past two months we have had quite a few folks from around the US, Canada and Europe *checking in* and requesting to be in our *favorites* list. KC8NYV, Wes, from Franklin, Ohio checks in often and has a bunch of friends in the area he'd like to keep in touch with. Also N7JIL, Jim, now located in California has checked in to see if anyone is around. Our link is active and if you find yourself with good copy from the KARS UHF repeater, monitor the channel, and answer the many calls that typically go unanswered during the day and weekends. **You do not need an Echolink Node number to do this.** You can also monitor K7ID-R from your computer (but you'll need a Node Number for this as well as any Apps you might be using). You can respond without a radio; or from a smart phone directly if you don't have a UHF station on the air yet. We have set our system up for conferencing up to 6 connections (stations) at one time. It has been tested with two (2) smart phones using the new (free) Echolink Apps; two (2) folks on their laptops at home from Florida and New Jersey, and two KARS members on the air locally using their UHF handhelds. Works like a charm. And by the way... have you seen the new BaoFeng UV-5R 136-174/400-480 MHz Dual-Band DTMF CTCSS DCS FM Ham Two Way Radio for \$41 dollars? What are you waiting for?

<http://www.amazon.com/BaoFeng-UV-5R-136-174-400-480-Dual-Band/dp/B007H4VT7A>

In this discussion, it is important that your radio (handheld, mobile unit, or base station) has Touch Tone<sup>®</sup> (TT) capability as anything other than normal repeater use requires entering TT control codes to connect or

disconnect stations, test the system, or even turn the Echolink network off or back on remotely if need be. Portable units having Touch Tone<sup>®</sup> pads work rather well because the tone pad is designed to *work with the radio*. But unless the Touch Tone<sup>®</sup> microphone was specifically designed for use with a mobile or base station, sometimes the tones are too “hot” (or distorted) and give less than reliable control performance.

## TESTING YOUR Touch Tone Pad

You can test your Touch Tone<sup>®</sup> pad using a utility in the Canfield 146.98 MHz. Repeater logic. **Be sure you are using the Canfield Repeater** (and not the Mica Repeater that does not have this utility). Canfield’s courtesy beep tone goes *low-high*. Here are the steps to follow:

Key-up the 98 Canfield repeater and listen for the Morse Ider “K7ID/R”

If you do not hear the ‘Ider’ ask if “the frequency is in use” (QRZ) if not....

Key again and say: “This is (*Your call*) touch tone test” and then enter TT code #0 (Pound Zero)

and unkey...

Key again and enter digit 1 then unkey. You should hear the Morse code for 1: dit-dah-dah-dah-dah

Key again and enter digit 2 then unkey. You should hear the Morse code for 2: dit-dit-dah-dah-dah

Likewise, key and enter 3...then 4... then 5 etc., listening each time for Morse verification that the tone has been *received and decoded*.

The last *number* is the 0 and will return dah-dah-dah-dah-dah

Now, Key and enter the \* (Star) button then unkey. Listen for Morse code for S dit-dit-dit

Key and enter the # (Pound) key then unkey a Morse P is returned dit-dah-dah-dit

## Not Done Yet:

Similar to the digits and symbols, you must also check the “A-B-C-D” keys that send back the Morse equivalent of A- dit-dah; B-dah-dit-dit-dit; C-dah-dit-dah-dit; and D-dah-dit-dit.

When finished, say “test concluded” and resume whatever you were doing...the utility times out automatically after 20 seconds with no additional Touch Tone entries. See... Morse code has some value after all? If you hear all the verification codes, your Touch Tone pad is adjusted properly and should work on the Echolink system. If not, give me a call and we will listen to your tones direct on the station monitor to determine the issue. Usually Touch Tones are either too “hot” (over modulating) or too low, less than 2 KHz. deviation. Another issue is “twist” where one tone level is not the same as the other...this issue arises when the microphone (*rolloff*) is not equalized for the rig you are using. As mentioned above, it is not likely to be a problem with a handheld as the built-in pad is designed for the unit. Next Month we will release the control codes for the KARS Echolink system and explain how they are used. If you want them now just e-mail your request and I’ll send them to you. If you have any questions, please contact me at [Echolink@K7ID.org](mailto:Echolink@K7ID.org) - N7JU

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## VE TEAM PHOTO Shoot at the MARCH MEETING

**In case you haven’t noticed the KARS VE team is slowly getting to the point where no one can recognize their photos on the K7ID website [www.K7ID.org](http://www.K7ID.org). The problem is simple, we are all looking a bit older, plumper, and a few us no longer in the area.. So our *Web Wizard*, K6SPP, Larry, has requested a new “class photo” so he doesn’t have to keep Photoshopping<sup>®</sup> headson other people’s bodies. (Can you find them in our current web photo?) In addition, we have added several new VE’s yet to be recognized and in general are in need of a KARS VE TEAM photograph we can use on our web pages, in newspaper articles, and for additional recognition that the North Idaho VE Team has been earning via its VEC sponsor the ARRL. We have much to be proud of with our steadfast and reliable contributions to the ham radio community in Idaho, Montana, and Washington not to mention many new KARS members. The KARS VE team has not missed a**

**scheduled monthly testing session in the last five years and has been relied upon for special sessions when needed. Accordingly, please try to make it to the March 11<sup>th</sup> Session at the SAR building in Hayden, with your ARRL VE Tag, and presentable attire for the photograph. It would be a pity not to have in this photo going forward. The shoot will be at approximately 6:00PM and full credit for the on-going session will be issued.**

***N7JU – John, North Idaho VE Team Leader***

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#### **From Tom, NI7W**

For those of you needing ICOM repair at a decent price and not too far away, check out Malcom Technical Support. <http://www.angelfire.com/biz2/mts/>. I had a problem the other day with a 1970's handheld. The owner, Scott Malcom was very helpful and we solved the problem without having to send the rig in for service. I don't think he will work on anything with tubes however.

Looks like he might also work on some Kenwood rigs. 73, NI7W

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#### Amateur-created "Varicode" Adopted as ITU Recommendation

On Tuesday, February 19, François Rancy - Director of the Radiocommunication Bureau (ITU-R) of the International Telecommunication Union (ITU) - announced the simultaneous adoption and approval by correspondence of a new Recommendation entitled *Telegraphic Alphabet for Data Communication by Phase Shift Keying at 31 Baud in the Amateur and Amateur-Satellite Services*. The alphabet - commonly called "Varicode" because the more frequently used characters (in the English language) occupy fewer bits - was developed by Peter Martinez, G3PLX, in the 1990s. Martinez was awarded the ARRL Technical Innovation Award for the year 2000 by the ARRL Board of Directors for his development of PSK31, which uses Varicode for transmission efficiency in much the same way as the Morse code. In ITU parlance, it now becomes Recommendation ITU-R M.2034.

Adoption of the Recommendation is the culmination of work conducted in ITU-R Study Group 5 and its Working Party 5A during 2011 and 2012. Working Party 5A is responsible for studies of techniques and frequency usage in the Amateur and Amateur-Satellite Services, as well as certain aspects of the land mobile and fixed services.

The Recommendation was proposed by the United States, and ARRL Chief Technology Officer Brennan Price, N4QX, advocated for the Recommendation's adoption as United States spokesperson for Amateur Radio issues at Working Party 5A. "The text of the Recommendation borrows heavily from the technical

description of PSK-31, prepared by Steven Karty, N5SK, on the ARRL's website," Price explained. "Steven's thorough description of Peter's invention enjoyed relatively smooth sailing within the United States preparatory process and at the ITU."

Adoption of an ITU-R Recommendation requires multiple levels of review. Following proposal by an administration, a draft Recommendation is vetted by one or more relevant ITU-R Drafting Groups, Working Groups, Working Parties and Study Groups, usually through several meeting cycles. "We are grateful to United States 5A delegates - particularly delegation leadership from the FCC, NTIA and the State Department - for supporting this effort at every step of the process," Price said. "We also appreciate the deliberations of ITU delegates from dozens of countries who evaluated the draft as it proceeded to adoption and approval."

"Nothing that radio amateurs do on the air will change as a result of this ITU decision, but it is significant nonetheless," observed ARRL Chief Executive Officer David Sumner, K1ZZ. "It provides further documentation in an important international forum of radio amateurs' continuing creativity and contributions to the art and science of radio communication."

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#### MicroHAMS Digital Conference Set for March 23

The MicroHAMS Digital Conference will be held Saturday, March 23 at the Microsoft Studios West Campus in Redmond, Washington. The conference, which focuses on digital networking, will feature two local efforts that are leveraging off-the-shelf wireless networking technology for Amateur Radio: NW-MESH - a spin-off of the ARRL HSMM program - and the HamWAN project that is attempting to provide a high speed wireless backbone for the Greater Seattle area. In addition, representatives from NW Digital Radio will give an update on the UDK56K digital transceiver (as seen in the December 2012 issue of *QST*). Due to space limitations, pre-registration is strongly encouraged. The MicroHAMS Digital Conference is an ARRL-sanctioned convention. Find out more about the conference on the MicroHAMS website: <http://www.microhams.com/softcontent.aspx?scId=58>.

# 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 \_\_\_\_\_

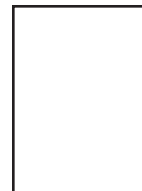
### For Forward Request Only

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.