

April 2013

(www.k7id.org)

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

REGULAR CLUB MEETINGS:

Monday, Apr. 8, 7:00 p.m.
**Kootenai Search & Rescue
Bldg., Hayden, Idaho**
Topic: Setting Up Your Ham
Shack
Presenter: Ed Stuckey, AI7H
Refreshments: Joel Brown,
KE7FHS

**ARRL VE Testing Session 4/8/
13 5:30 PM** Walk-ins welcome
All exams administered.

Monday, May 13, 7:00 p.m.
**Kootenai Search & Rescue
Bldg., Hayden, Idaho**
Topic: DXpedition South Orkney
(Antarctica)
Presenter: Video presented by
Bob Rose, W7GSV
Refreshments: Dale DuRee,
KE7VMN

Upcoming Events

**Highway Clean-Up
To Be Determined**

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

President's Column

I'm announcing that spring has officially arrived in Northern Idaho. Why am I so sure? Where else can you have snow, hail, rain, sun, wind, sleet, thunder and lightning and the always amazing grapple all in the same day? Northern Idaho in the spring! Well, Southern Idaho shares some of the same characteristics, as well as Eastern Washington. Also, our snow birds are returning home – another sure sign of warmer weather to come.

With spring in the air now is a great time to be thinking about your antenna(s). The time is nearing to repair the old antennae, maybe tweak it for better performance or put up a brand new antenna. With all the planning and preparation, remember to remain safe while working. Have someone help you with the installation or repair. KARS members are always willing to help. Also, be sure that you will not be breaking any county or city ordinances. Be sure to check with the local utilities before digging a hole or trench. The service is free and it can save you a lot of discomfort.

If you are installing a new antenna and aren't sure of the proper support structure you can always refer to the information in the ARRL Antenna Book. There are also several KARS members that can guide you through the decision-making process. KARS members can also recommend what works best in Northern Idaho or Eastern Washington.

The presentation for the April meeting will be given by Ed Stuckey, AI7H. He will be discussing setting up your ham station. Bring your questions with you to the meeting. If Ed can't provide an answer, maybe another KARS member can answer your question or direct you to someone who can help. Don't be afraid to ask. Everyone in the club is more than willing to help you. Some of them even have experience in how not to do something.

With spring here we can all hope that the snow on Mica Peak and Canfield Mountain is melting. If any of you would like to help at either site, please let a board member know. We have work to be done at both sites. As you may remember, part of our agreement with Kootenai County at the Canfield site is that we control the weeds. Always better to get a good start on weed control in the spring. At Mica we need to fix the heliax on the UHF antenna and assess the damage done to the building this past winter. We are on our own to keep the building in one piece and our equipment working.

Hope you have had your June calendar out and marked the second Saturday, June 8 for our Hamfest. We'd like to see you all there. While on June, you should also mark the weekend of June 21-23, which is Field Day. This year, our Field Day event will be held at Rick, KI7I, Van Landingham's QTH in Spirit Lake. More information on both events will be available at the April meeting.

Hope to see you at the April meeting.
73, Bonnie, KG6QQM

2013 DUES REMINDER

2013 Dues are now delinquent.

This will be the last newsletter you receive until your 2013 dues are paid.

Kootenai Amateur Radio Society Membership Meeting Minutes March 11, 2013

The meeting was called to order by President Bonnie Patterson.

After the Pledge of Allegiance was led by Bob Kesson, K7CGA, the results of VE Exams were announced:

Technicians - Natalie Long, KG7CDG, and Gretchen Hayes, KG7CDF, both from Bonners Ferry.

Generals - Doyal VanOrman, KF7TFI, and Bill Mayer, KG7CDE, who passed both his Technician and General exams.

Congratulations to all.

Guests: Ed Aycock, Kevin Korsund, KF7VYB, Frank Tenthly, Travis Tysz and Gordy Ormesher.

New KARS Members: Bill Mayer joined the club this evening.

Our Program for the evening was "*Amateur Radio Satellites*" presented by Rick Nungester, WA6NDR. Rick presented a very interesting program. With the use of various props you were able to get a good feel for the distance between the earth and the geosynchronous and low orbit amateur satellites. Using a bicycle tire we got a much better understanding of geosynchronous orbits, elliptical orbits, apogee, and perigee. Of special interest is the appearance of SO-50 directly overhead on Wed. March 20 at 12:04 PM. Hope you are able to hear the signal as the satellite passes overhead. Thank you, Rick, for the informative presentation.

After the program there was a short intermission with refreshments provided by Jacob Cord, K7AJC.

Garry Beaudreau KE7UQM, was at the meeting. Welcome back, Garry.

Next the Membership Drawings were held. Rick, KI7I, was the 50-50 winner and Renee Stuckey was drawn for the big membership prize of \$320. Too bad Renee was vacationing and not in attendance. Remember to be eligible you have to attend, buy a ticket and have paid your dues for 2013.

February meeting minutes were approved as distributed.

Treasurer's Report : Combined cash on hand and in the bank is \$ 6,031. No bills were presented.

OLD BUSINESS

Audit Committee : Jacob Cord, K7AJC, and Garry Holland, N7DHL, audited the KARS 2012 Treasury and found two minor errors that were corrected.

President Bonnie asked for volunteers to collect garbage

and for the "Sunshine" Committee. Contact her via e-mail if you are interested. president@k7id.org

Repeater Conflict : As we are all aware, when the repeater on Mica and the repeater on Canfield are on the air simultaneously there is a loud noise and then a crash. Two options were presented: take one repeater down until the problem can be fixed or tolerate the current situation for two more months. Since no comments were made, the repeaters will remain as is.

Hamfest 2013 will be held June 8, 2013 from 7:00 AM until 1:00 PM at the American Legion Hall in Post Falls. The grand prize(s) have not been selected as of this date. The board will make the decision at the next board meeting.

Two options are possible: a single grand prize of an HF rig or a \$500 gift certificate to HRO as the Grand Prize and a \$200 gift certificate to HRO for the second prize. In addition, on the hour (8:00 AM - 12:00 PM) a Baofeng handheld will be drawn and on the half hour (7:30AM-11:30 PM) an ARRL gift certificate or equivalent prize will be drawn.

A motion was made by Jim Banks, KF7TFJ, to allocate \$1000 for prizes for the Hamfest. The motion was seconded by Bob Kesson K7CGA. The motion was approved by the members in attendance.

Idaho QSO Party was held March 9 and 10. Several members from KARS participated. As of Monday evening, 72 logs had been received. Logs should be returned to: AI7H@arrl.net.

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

Field Day 2013 will be staged at Rick Van Landingham, KI7I, location. Rick lives in Spirit Lake past Mile Post 20. Rick passed around an operator's sign-up sheet. If you didn't have an opportunity to sign up, please contact Rick via E-mail at KI7I@arrl.net.

NEW BUSINESS

Handheld Donation made to KARS by Bob Schaff, KF7VIH. Bob donated two Baofeng handhelds with a programming cable to the club. These handhelds are to be loaned to new hams in order for them to get on the air as soon as possible. This will give them hands on experience while they decide on a radio of their own. Preference will be given to new hams 21 and under. Thank you Bob for the generous donation.

Tech license classes will be held on Thursday evenings, starting April 4, 2013. The classes will be held from 7:00 PM - 9:00 PM for eight weeks, at the Kootenai Medical Center Room 2. Attendees will need the ARRL Technician License Manual. The manual will be available from the instructor for \$22. If you want to attend this class please add your name to the list by contacting president@k7id.org.

A motion was made by Ron Phillips, WF6WKR, for the club to purchase a dozen ARRL Ham Radio License Manuals to have available for resale to the students

participating in the class. The motion was seconded by Jerry Hooper, KA7RNX. The motion was approved.

Possible Field Trip to Bird Aviation Museum on Sat. July 27 was discussed. Due to lack of interest the field trip will not be pursued.

OTHER ANNOUNCEMENTS

Antique Equipment has been donated to the club. For more information contact Ed Stuckey AI7H at AI7H@arrl.net.

Wednesday Roundtable Everyone welcome. See k7id.org for details.

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

April Speaker : Ed Stuckey, AI7H will give a presentation on antennas.

Idaho State Ham Convention - Boise, Idaho. April 26-28. ADJOURNMENT There being no further business, the meeting was adjourned.

Submitted by: Bonnie Patterson and Larry Telles, for Tom Richmond, NI7W, KARS secretary.

Things that Happened and Things Coming Up in 2013 (Updated!)

2013 Idaho QSO Party Preliminary Results Information
We are pleased to announce that (as of 03/25) a total of 130 logs have been received from the Idaho QSO Party, over twice the total number received last year! Additionally, there was a lot of European participation this year, including stations from France, Germany, Italy, Moldova, Netherlands, Norway, and Russia. Club member Jackie Van Orman (KF7RPP) has taken on the task of receiving and organizing logs from participants, and we will have a log evaluation session on 03/28, to start figuring out who-did-what. From glancing through the log submissions, we saw that a number of Club members participated, but if you have not sent in your log, there's still plenty of time – send logs to idqplogs@msn.com prior to 04/09.

The Idaho State ARRL Convention (Boise, ID 04/26-04/28)
The Idaho State ARRL Convention is still "On". There was some concern earlier because of a long delay by the sponsoring Club getting their website up and running, but it's finally coming to life: <http://www.idahostateconvention.com/index.html>. It was interesting to note that the first feature activated in the new website was a slide show, using pictures from previous Conventions, and contributed by our own Larry Telles, K6SPP!

The Northwest ARRL Division Convention and Hamfest (aka "Sea-Pac", Seaside OR, 05/31-06/01)
This is reported to be the largest Hamfest in the

Northwest, something you should attend at least once. See details at <http://www.seapac.org/>

The KARS Hamfest (American Legion Hall, Post Falls, ID – 06/08, 7AM-1PM)

Now THIS is the best little Hamfest for hundreds of miles! The Club resale table will be VERY well stocked with vintage ham gear and accessories.

Field Day 2013 (06/22 – 06/23) (At home of Rick, KI7I, near Spirit Lake, ID)

Rick (KI7I) and YL Carla have generously offered their home QTH as our Field Day site this year. Many details to be worked out, contact Rick (KI7I) e-mail: ki7i@arrl.net or Ed (AI7H), e-mail: ai7h@arrl.net. Plenty of work for everyone, "good pay and benefits".

73,
Ed Stuckey, AI7H

Reminders:

Sea-Pac Pin Design Contest

If you have any club members who are creative and would like to design a pin, please have them enter our Sea-Pac Pin design contest. The lucky winner will win two free tickets to the Saturday Night Banquet, plus fame and admiration from all of your fellow HAMS. Submit your drawing no later than April 8, 2013. Send designs to Sea-Pac, PO Box 25466, Portland, OR 97298-0466. Examples of previous year's pins and the complete rules for the contest are on the Sea-Pac website at: www.seapac.org.

Part 97 is the Radio Amateur's Bible

by Larry Telles, K6SPP

It was pointed out a couple of meetings ago that I was wrong in stating that a repeater operating on 2-meters must identify every ten minutes. As a Volunteer Examiner and holding a license for 55 years as of April 15, 2013, I developed a burr under my saddle. So, I use this vehicle to provide proof positive.

Let's start out looking at the ID situation in layman's terms. How does an amateur operator know what repeater they are on? If they place a carrier on that frequency for just two seconds, the repeater wakes up and sends their

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

call in CW or voice in English. This would happen only if the repeater hadn't ID'ed in the past ten minutes. When I decide to monitor a repeater I press the microphone switch and say, "K6SPP monitoring." Just like the repeater ID, anyone on the frequency knows who is monitoring. From that point of carrier on the repeater will ID every ten minutes since it is programmed into its control mechanism. Us humans also must ID on the repeater but it happens in less or more than ten minute intervals.

Here is how Part 97 sees it:

§ 97.119 Station identification.

(a) Each amateur station, except a space station or telecommand station, must transmit its assigned call sign on its transmitting channel at the end of each communication, and at least every 10 minutes during a communication, for the purpose of clearly making the source of the transmissions from the station known to those receiving the transmissions.

(b) The call sign must be transmitted with an emission authorized for the transmitting channel in one of the following ways:

(1) By a CW emission.
When keyed by an automatic device used only for identification, the speed must not exceed 20 words per minute;

(2) By a phone emission in the English language. Use of a phonetic alphabet as an aid for correct station identification is encouraged.

I believe "each amateur station" refers to an individual or repeater. If not, what does "each" mean?

KARS Member Biography

Name: Robert (Bob) Schaff

Call: KF7VIH

Type: General

Licensed: First license May 2012

Born and raised in North Central Idaho. Wondering where in North Central Idaho that may be? I will give you a clue. Yes, I am a Maniac. I joined the Service in 1978. After the service, I relocated to Kamiah and worked at a family-owned car dealership. I relocated in October 1981 to North Idaho. I worked at ISC Systems Corporation until

1989. I then went to Spokane Community College and was certified in Business Microcomputer Programming. After graduation, I came to Kootenai Medical Center in 1992. I have been with them ever since. When starting at Kootenai I was exposed to a very limited computer system. We had 20 PCs and 120 dumb terminals. Today, it is much different. I have implemented extensive Wide Area Network throughout Northern Idaho. We have over 1900 computers, 450 plus printers, couple of thousand phones, wireless systems, WiFi phones and about 300 servers in service. To say the least, it is a bit busy. Being part of this community is a very enriching and happy part of my life. I am lucky to be part of it.

I have recently become a life member with KARS, and ARRL. I have really enjoyed my new friends and I am having a wonderful time learning all that I can about HAM. I enjoy all aspect of this new hobby and love to learn. I have become a member of ARES/Races as well as an active member with the Kootenai County's Emergency Operations Center.

Other hobbies are too expensive. Flying was an awesome time but, camping is more my speed now. I can take my radios with me.

TECHNICIAN LICENSE CLASSES

Starting Thursday April 4. Running for 8 weeks.

Time: 7:00 PM to 9:00 PM

Location: Kootenai Medical Center, Room 2
Ironwood Drive, Coeur d'Alene

Cost: Classes are Free

It is recommended that each participant have an ARRL Technician license manual. Manuals will be available for purchase from the instructor for \$22.

If you know of anyone that would be interested in attending, please have them sign up by contacting Bonnie, KG6QQM, at President@K7ID.COM.



**Getting ready for Echolink
on the K7ID-R UHF Repeater**
by N7JU - Node Number 123513

Echolink@K7ID.org

Before you will be able to connect to Echolink from your **home computer**, *iPod*, *iPad* *iPhone* or *Android* you **will need an Echolink NODE Number**. It is easily obtained and free from: http://www.echolink.org/register_data.jsp

You must enter your email address and call letters. Then ...download the entire program. Echolink is available for the PC, Mac or Linux. Run the program and go to **Tools/ Set up**: Select **Single-user**: Complete the screens. Keep the default selections on the other screens.

My Station | Servers | Proxy | Timing | Audio | Performance

Mode
 Single-User Sysop

Callsign:


Password: ? Store password locally

Name:


Location:

Email Addr:

You should see the complete receive screen with several thousand call letters listed. All these stations are now *on Echolink* at the moment and you may be able to connect to them. Scan down to **your call** to see if you are on-line.

 N7JU On 10:35 Coeur D Alene, ID

The little *face means* I am on line as a single user from my computer.

 K7ID-R On 09:31 Coeur D Alene, ID

The little *gears* and green means our station is connected to a repeater. So FAR SO GOOD. You more than likely **will not be able to connect** to anyone until you perform a *PORT FORWARD* user selection for you ISP router.

Obtain the make and model number of your router. This is usually a 4-port device including WIFI that plugs into your ISP-provided modem. It allows you to expand the number of devices you can connect to the Internet. If you are just using a single port modem get that make and model.

My router is a Linksys and is very common. Once you have the make and model go to: www.portforward.com Jump past the nag screen for the subscription service. ... and select: Routers – Portforwarding Guides

Find Port Forwarding Guides For Your Router Here

Linksys

E4200

Then enter **Search:** Hundreds of applications are presented in alphabetical order. ... find **E** for EchoLink and select it. Once selected it goes right out to the Instruction Pages and takes you step by step through the process:

Port Forwarding Echolink on the Linksys E4200

What is Port Forwarding?

[View all Router Screenshots.](#)

To setup port forwarding on this router your computer needs to have a [static ip address](#).

Try our free [PF Setup Static IP Address Program](#) which will setup a [static ip](#) address for you.

Or you can take a look at our [Static IP Address](#) guide to setup a [static ip address](#). When you are finished setting up a static ip address, please come back to this page and enter the ip address you setup in the Static IP Address box below.

Do not skip this step!

192.168.1.



Once completed go back to **Tools** in the Echolink program and run the **Fire/wall Router Test** to be sure everything is working. If all else fails go to <http://www.echolink.org/troubleshooter.htm>

and run this cool utility and it will tell you what is wrong and what to do. Keep in mind...you do not need a Node Number when using the K7ID-R UHF repeater (443.975/448/975 100Hz) just some Touch Tone commands to connect or disconnect. Spring is here and now we need a clear path to the mountain. – N7JU

Local Public Service Events

Desert 100 - April 6-7. Motorcycle Motocross near Odessa, Washington. POC - K7CPO@YAHOO.COM.

Bloomsday - May 5 - POC - KA7CSP@AIMCOMM.NET.

Lilac City / Armed Forces Torchlight Parade - May 18. POC - K7PKT@ARRL.NET.

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 _____

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

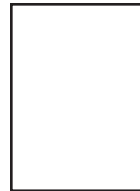
Please Select a Password _____

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.