



January 2015

(www.k7id.org)

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

REGULAR CLUB MEETINGS:

Monday, Jan. 12, 7:00 p.m.
Search & Rescue Bldg.
10865 N. Ramsey Rd.
Hayden, Idaho
Topic: ???
Presenter: ???
Refreshments: ???

VE Testing
Monday, Jan. 12, 5:30 p.m.
10865 N. Ramsey Rd.
Hayden, Idaho

Monday, Feb. 9, 7:00 p.m.
Search & Rescue Bldg.
10865 N. Ramsey Rd.
Hayden, Idaho

Upcoming Events

March 7, 2015
Mike & Key Club Hamfest
Puyallup, WA
www.mikeandkey.org/flea.htm

March 21, 2015
MicroHAMS Digital Conf.
Redmond, WA
www.microhams.com/mhdc

April 11, 2015
Communications Academy
2015
Seattle, WA
www.commacademy.org

Letter from the President

Dave Boss KF7YWR

boss@infinityusers.com

208.290.8590

I trust the New Year finds everyone well and hopefully by this time, rested from the whole holiday scheme. Joyce, KG7FAK and I had a relatively quiet Christmas with just a few friends instead of the 20 to 30 family and friends normally at our house. We did have a bunch for Thanksgiving as has been our tradition over the years, but as kids have their own families and in-laws to share the dates with, things change and life moves on in new directions and I suppose one must accept the changes or be accused of being an old curmudgeon... again.

I look forward to this next year as President. Having made plenty of mistakes during the first term hopefully I will do better this time around. The support I have received has been incredible and I wish to thank all that have been there with instruction, suggestions and pointing me in the right direction. For those of you who have seen the animated movie "UP" I tend to be distracted, much as the evil dogs at the mention of the word "Squirrel". Let the reader understand, and if you haven't seen the movie go and rent it, it is one of my favorites, supposedly a kids' movie but with a beautiful story for adults or at least us big kids.

With our repeaters outfitted with all their new equipment and having had discussions in the past for new sites, this perhaps could be a project for us to think about. In talking with Dale DuRee, KE7VMN, installing a radio link for Echolink would be relatively easy using a station located somewhere off the repeater site to connect to the internet. All things to think about for the coming summer weather season, and there are any number of other projects to consider.

Please consider what direction you would like your club to go and I will do my best to help get us there. Think about what you would like to have for programs and we will line up from our vast array of experts the folks that can make it happen. Please feel free to e-mail or call me with suggestions and I will see what we can do, remember that it is your club, let's have some fun with it.

73, Dave, KF7YWR

The December Meeting was held on December 8th at the Shriners Club on West Lancaster Road in Hayden for the annual Club Christmas Party. The party was packed full of its standard buffet of a wide variety of items to fill your plate once, twice, and more; Oh and let's not forget the desserts too! Along with three full tables of food was a room packed full of hams and family and I didn't see anyone who was left with no one to talk to about something. To those who were not able to attend we certainly missed you, and we hope you will be able to attend next year. The idea was posed to hold the 2015 Club Ham Fest at the Shriner's Club instead of the Post Falls VFW because of the price difference. The topic is still up for discussion so if you have an opinion either way, be sure to attend the next few club meetings to take part in the discussion.

In an effort to help support the mission of the Shriner's Club, the hat was again passed around the room. Every cent donated to the Shriner's Club goes directly to support the Shriner's Children Hospital of Spokane. If you were unable to make a contribution or if you would like to make an additional contribution there is still time to do so. We all do things to help our community be it locally in your own respective towns or neighborhoods or regionally, the Shriner's are no exception. As the holiday season draws near please consider making a contribution to the Shriner's Children Hospital. Ted Graff (K7TED and Shriner himself) has said that he will issue a receipt if needed, or your contribution can remain anonymous if you prefer.

Following the filling of our stomachs the club business was attended too. Awards were given to all our Net Control Operators for doing the fantastic job of rounding up check-ins every evening. If you have not checked in to one or all of their evening nets, give them a listen on either the Mica or Canfield Repeaters and through your call sign in the mix.

Since the November meeting, the battery back-up for the Mica Repeater has been installed and is ready for the next power failure on the hill. In the event of a failure users will hear a slight tone in the background of the audio alerting users to the repeater. The motion was made to accept the final bill of about \$350, which was less than had been previously approved by the club.

After months of searching, bribing, and threatening we have located someone for willing to set into the roles for all the club offices that were available! Our 2015 Club Officers are as follows: President, Dave Boss (KF7YWR); Vice-President, Alan Campbell (KE7DFT); Treasurer, Rod Anderson (K7ZBE); Secretary, Adam Crippen (N7ISP); Executive Officer, Lenny Gemar

(N5IEX). Thank you to all who have come forward to accept a position for the year to come.

With the coming year we will need some to come forward with ideas and volunteers to present at club meetings. Everyone of us has something we could contribute, no one says you have to be an expert. Maybe you want to teach Morse Code, with the code being dropped from the requirements there are those of us that never learned code but would be willing to learn. Like building kits? Maybe you want to talk about how to setup a ham shack? Fix a radio issue or test your equipment? Are you a collector of Collins gear or such? If you have something that you would like to present please let your club officers know so a date can be set up, if you have something that you would like to see presented please let us know that as well so we can look for someone to present it as well.

80M HAM RADIO BAND USED FOR 2012 WIDEBAND VIDEO AND DATA STUDY

A report on 2012 trials in the United Kingdom that used 3.613 MHz for 24 kHz bandwidth high-speed data and video transmissions is now available to the public. It notes that by using modern modulation techniques an SSB channel can support a raw data rate of 12,800 bits per second and wider transmissions can support proportionally faster data rates.

In recent years there has been increasing military interest in high-speed data transmissions on the High Frequency bands. Experiments have shown that color video at 15 frames per second can be streamed on HF in a bandwidth of just 18 kHz. That is the type of bandwidth that may possibly be accommodated in the 29 MHz amateur radio band.

More information on this experimentation can be found in a very fascinating article with the long title of "Wide Band High Frequency Communications 2012 UK Trials Summary" prepared by James Alexander of Rockwell Collins Corporation. You can find it in cyberspace at tinyurl.com/hf-video-testing (KCODGY, Southgate, others)

NEW VANITY FEE IN EFFECT

The new \$21.40 Amateur Service vanity call sign regulatory fee became effective on September 11th. The \$5.30 increase represents the largest vanity fee hike in many years. The FCC released a Report and Order and Further Notice of Proposed Rulemaking on August 29, in which it recalculated the fee to \$21.40 for the 10-year license term. (FCC, RW)

Centenarian ARRL Member Says Congressional Gold Medal for CAP Was Overdue

A 100-year-old ARRL member from North Carolina was among those honored on December 10 when the Civil Air Patrol (CAP) received a Congressional Gold Medal for its World War II service, and, for Weldon Fields, W4AJT, of Greensboro, the recognition was long overdue.

During the war, Fields volunteered to become a member of a CAP contingent at Base 16, near Manteo, on North Carolina's Outer Banks. CAP pilots were carrying out anti-submarine missions to thwart submarine attacks off the US East Coast, and volunteers like Fields were needed to provide aircraft-to-ground radio communication. According to CAP, Fields, who became a CAP lieutenant colonel, was responsible for maintaining communication from the base to the planes. He also contributed his own Amateur Radio gear to the base, back in an era when equipment was anything but small and lightweight.

"I took my radio down there, and lo and behold, the stairs to the second floor [where the radios were located] were about as wide as my radio," Fields recalled. "We got it up there, and it worked okay, but it was kind of a chore." CAP observer planes flew each day from sunrise to sunset, Fields recalled, keeping the radio operators busy modifying and repairing aircraft radios. While his primary work was as a communications officer, Fields also flew some 200 to 300 hours as a mission observer.

"The wartime communications systems and procedures put in place by Col Fields and his peers laid the foundation for what is now a world-class, nationwide communications system operated by Civil Air Patrol, said CAP Col David Crawford, the North Carolina Wing commander.

"I'm proud to say that from the day we sent the first flight out, there was not another sinking of our boats or any kind of ship," Fields said. Once the German submariners learned of the CAP air patrols, they were afraid to surface.

Forty-six founding CAP members were on hand in Washington, DC, for the presentation, representing the more than 200,000 CAP volunteers during World War II.

Cross-Borders ARES Exercise Tests Northeast Communication Capabilities

Maine ARES® Section Emergency Coordinator (SEC) Phil Duggan, N1EP, wants to expand Amateur Radio's reach during emergencies in the Northeast. To that end, he convened a 40 meter "cross-borders" net on Saturday morning, December 13, on 7262 kHz to test the communication paths for that band and time for operators in Maine, New Hampshire, and the bordering Canadian provinces. The exercise was spurred by Maine Emergency Management Agency Communications Manager Steve Mallory's suggestion that Maine hams should put extra effort into training and exercising with neighboring states and provinces, since disasters do not recognize borders.

"The exercise brought together Amateur Radio operators from the bordering states and provinces in a collaborative effort that will continue in the coming months, using a variety of bands and modes," Duggan told ARRL. He said the net attracted 33 check-ins from New Brunswick, Nova Scotia, New Hampshire, Massachusetts, Rhode Island, and Vermont. Several state and provincial ARES members and emergency coordinators participated, including New Hampshire SEC Wayne Santos, N1CKM.

"Most signals were easily copied during the net by all," Duggan recounted. "One surprising outcome for some was the fact that a couple of the stations that had the strongest signals were using modest power — 25 to 40 W — and their antennas were verticals." Duggan said the exercise expanded upon Maine ARES and New Hampshire ARES Simulated Emergency Tests held earlier this fall, when members of both states' teams supported each other's SETs.

"In recent years there have been few such exercises in the region [and] most Maine emergency communication drills have been limited to VHF or 75 meter phone," Duggan said. "As Maine SEC, in addition to voice modes, I am encouraging the use of more Amateur Radio assets in our training activities, including Narrow Band Emergency Messaging System (NBEMS), digital, good old-fashioned CW, and working with our neighbors."

Duggan plans similar events in the future, most likely on a quarterly basis. He encouraged stations in all six New England states, as well as in the Maritime provinces and Quebec, to join in. (ARRL)

DX ENGINEERING ACQUIRES BENCHER AND BUTTERNUT ANTENNAS

Talmadge, Ohio-based DX Engineering has announced acquisition of Bencher Incorporated's antenna product lines. This includes the rights to Bencher Skyhawk, Skylark, and Butternut antenna products. DX Engineering will also provide replacement parts for these antennas. The deal does not include the Bencher line of Iambic Morse paddles. Bencher will remain located in Antioch, Illinois. (Press Release)

TEENAGER WINS PRIZE WITH BREATH TO MORSE CODE CONVERTER

The Google Science Fair 2014 Voter's Choice Award has been won by 16-year old Arsh Dilbagi of India. His winning device called 'Talk' converts short and long breaths of air into electrical signals, that in turn enables people to communicate using Morse code.

Dilbagi who performed a trial of the unit on a hospital patient in New Delhi, now has \$10,000 from Google to further develop the device. The announcement did not state if Dilbagi holds an amateur license. (VK3PC, WIA)

POPULAR ELECTRONICS MAGAZINES ARCHIVE NOW ON LINE

If you are new to hobby electronics or just nostalgic for the good old days, then the name of a magazine known as popular electronics will definitely ring a bell. And now, thanks to the effort of americanradiohistory.com there is a shared archive of all the Popular Electronics magazines from 1954 to 1982.

But Popular Electronics is not the only publication you will find there. There are millions of pages and hundreds of books and magazines on radio, television, computers and much more. It's all available on the web at www.americanradiohistory.com. The direct link to the Popular Electronics archive is at tinyurl.com/popular-electronics-archive (KB9STR)

Repeaterbook for the whole world — Announced today!

December 25, 2014

Merry Christmas on behalf of all of us at Repeaterbook.com.


We just unwrapped a Christmas gift to all of you right on our home page. Now, you can search for repeaters across the whole world! Countries in blue are where we have repeaters listed.

Stop by and give it a try.

Joy to the world, and Happy New Year!

Garrett, KD6KPC

Site Owner - Repeaterbook.com



COFFEE & DONUTS
EVERY THURSDAY MORNING

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

The Golden Spike
Community Center
Rathdrum

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

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 1765, Hayden, Idaho 83835-1765

Please complete the entire form and return with your payment

Single Year membership

New member \$15.00 Renewing \$15.00 Family \$23.00 Info Update Only

Two Year Membership

New member \$28.00 Renewing \$28.00 Family \$42.00

Call Sign _____ Class _____ Expires _____

First Name & Initial _____ Last Name _____

If renewing, only fill in information below that has changed since last application, otherwise complete.

Address _____

City _____ State _____ Zip Code _____

Phone Number _____ E-Mail Address _____

ARRL Member _____ May we publish Limited information _____ (Y/N)

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

Signature _____

K7ID.org Request Form

First and Last Name _____ Call Sign _____

Would you like your (call sign)@k7id.org email 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 Webmail access POP Access
(Please complete the bottom & Sign) I wish to opt-out of K7ID.org

Please select a user name _____@K7ID.org

Please select a Password _____

For forward request only

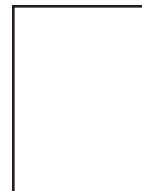
Email address _____

Signature _____

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"/>		

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.

2014 CLUB OFFICERS

President: Dave Boss, KF7YWR
president@k7id.org

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

Exec. Director: Lenny Gemar, N5IEX
excdirector@k7id.org

Secretary: Adam Crippen, N7ISP
secretary@k7id.org

Treasurer: Rod Anderson, K7ZBE
treasurer@k7id.org

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

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

Repeater Tech: Dale DuRee, KE7VMN

Webmaster: Larry Telles, K6SPP
208 762-2548 ltelles@icehouse.net

Past President: Bonnie Patterson,
KG6QQM

Notice

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

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

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

Anyone interested in Amateur Radio is welcome to join. Dues are \$15.00 (individual) and \$20.00 for a family membership. Contact the Treasurer if you wish to join.

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

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