

THE HELLGATE STATIC



September 2010

Eric NZ7S Leads Expedition to Point Six

By Elmer, WG7P

Announcements, emails, and encouragement resulted in 4 members, in addition to Eric and his son Wyatt, from our 50+ members ready to journey to Point Six to do preliminary work for our new 04 antenna. Steve K7PX, Greg NL7WB, Liz WG7E, and Elmer WG7P showed up at the weather station Saturday morning, August 21, to give Eric a hand at relocating the existing coax and making preparations for the arrival of the new antenna. It was a crisp and beautiful "Big Sky" morning as we made our way to Point Six, not only to do some work, but to enjoy the spectacular view.



The existing 04 antenna has been in service for approximately 30 years and was a used antenna when installed on Point Six some 30 years ago. The antenna has served us well, but it is time to replace the antenna with one more suited for Point Six weather and one that should be trouble free. The new antenna will be placed on the weather station's tower, thus putting

our antenna approximately 25 feet higher and out of the snow. Hopefully this will result in providing better area communications.

Eric did a great job overseeing the work detail, which required digging up approximately 40 feet of existing conduit and rerouting the coax to the new location. Liz led the shovel detail with Steve and Greg providing some assistance. This part of the detail went a little smoother than expected which was good news. Eric and Steve did the tower work with Eric just sort of hanging around, 25 feet off the ground. Wyatt and Daisy kept a watchful eye on the total operation.



After the old antenna was temporarily placed at the new location, several QSO's were made from Point Six and things seem to be working just fine. The new antenna should arrive in a couple weeks and if you missed the opportunity to join the work party this time, perhaps you will be able to assist with the new install.

All in all it was a successful, productive, and enjoyable day. The day ended at the Cold Stone Creamery which was a good ending to a great trip. Hope to see you at the next work party.

Please see page 9 for more pictures!



Events Calendar

Sept 10 th to Sept 12 th	Northwest Automatic Position Reporting System - Summer Gathering. http://nwaprs.info/sg.htm
Sept 11 th	Tour de Cure Race - Threeforks, MT http://main.diabetes.org/site/TR/TourdeCure/ColoradoArea?pg=entry&fr_id=7042
Sept 13 th	HARC monthly meeting at 7:00 pm, VEC testing starts at 5:30 pm. http://www.w7px.org/
Sept 25 th	Spokane Hamfest - See flyer for details. http://spokanehamfest.com/
Oct 2 ND	Argus Hamfest 11 am - 4 am VEC testing - Breakfast at the Frontier Restaurant in Stevensville around 8 am
Oct 11 th	HARC monthly meeting at 7:00 pm, VEC testing starts at 5:30 pm. http://www.w7px.org/
1 st & 3 rd Sundays	Montana Races Net, 3.947 MHz at 8:00 am http://www.mtraces.org/
Saturday	Montana QCWA net, 3.935 MHz at 8:30 am
Daily	Montana Traffic Net, 3910 kHz at 6:30 pm MDT (00:30 GMT) http://montanatrafficnet.com/
Every Sunday	ARRL Montana Section HF Information Net, 3880 kHz at 8:00 am
Every Tuesday	Coffee at Arby's South, 2:00 pm, give a shout on 147.04 MHz to see if we are meeting.
Every Wednesday	HARC VHF Net meets at 147.04 MHz (+offset) at 9 pm
Every Saturday	"Ham" breakfast, Paradise Falls Restaurant, 7:00 am

Congratulations to Lewis, NQ7D who won the 29 piece ratchet set at the HARC August 9th meeting



Customize hats, coats, vests and more with the HARC logo and your call sign. The possibilities are endless!

Hellgate Amateur Radio Club is a 501(c)3 not for profit organization. Information concerning tax deductible donations of funds or equipment, or donations of any other kind, should be addressed to:

Hellgate Amateur Radio Club
PO Box 3811
Missoula, MT 59808-3811

Meetings held 2nd Monday of each month, 7:00 pm at Missoula Fire Station #4, 3011 Latimer off of West Broadway near Quality Supply. HARC members have a chance to win the Door Prize.
You must be present to win!

Visit our web site at <http://www.w7px.org/>

Club Officers & Volunteers

Elmer, WG7P elmerm@hughes.net
President

Eric, NZ7S nz7s@msn.com
Vice President

Michael, AE7MH..... ae7mh@arrl.net
Secretary

Jerry, N7GE n7ge@bresnan.net
Treasurer

Liz, WG7E lizm@montana.com
Membership

Bob, N7MSU n7msu@arrl.net
Awards

Vick, K7VK k7vk@arrl.net
Exams VE Contact

Mike, AE7MH..... ae7mh@arrl.net
September Newsletter (rotates monthly)

Mike, KE7IZG..... mleary2001@yahoo.com
Webmaster

Repeater Committee

Paul, N7PAS (2010) n7pas@bresnan.net

Byron, NN8A (2010) ... arl3051@wildblue.net

Donnie, W7XY (2010-2011) fort@montana.com

Kevin, KE7WR (2010-2011) . . kgoffe1@msn.com

Tour de Cure Montana

From Kody, KLORN

Join us for the 2nd annual statewide Tour de Cure Montana at the Missouri Headwaters State Park near Three Forks, Montana, west of Bozeman. This Tour de Cure fund raising event offers a memorable day of cycling and fun in a magnificent setting as well as the satisfaction of helping us move closer to victories over diabetes.

100 Mile Ride start at 8:00 am
56 Mile Ride start at 10:00 am
23 Mile Ride start at 12:30 pm
6 Mile Family Ride start at 10:30 am

The ride course has very poor to no cell phone coverage. Radio Amateur volunteers will be using the 147.38 + (100hz) Three Forks repeater with backup on 146.88- (100hz) repeater in Bridger as backup. Other radio frequencies will be discussed upon arrival. If you have dual band capabilities, bring them along! You should consider bringing a GPS and you will need an external antenna and spare batteries for your radio if you are bringing HT's. If you have a cell phone, bring your charger and notify Net Control of your phone number. You should bring warm clothing for wet weather, water and snacks. Dinner for riders and volunteers will be held after the event Saturday evening. Fuel expenses for volunteers that are driving the race and or have a long drive to get to the event should save their fuel receipts for reimbursement.

Some of the riders have diabetes so there will be 3 medical units, as well as a sag wagon and repair vehicle. 5 operators are needed to cover the 3 medical units, the SAG wagon and repair vehicle. The remaining volunteers will be providing coverage throughout the course.

This event represents statewide support for the American Diabetes Association, all radio amateur groups are encouraged to participate with radio support volunteers.

Gallatin Ham Radio Club - Jerry Gregoire, KD7WLX (406-522-7392, 406-570-7676) is coordinating the amateur radio operators. Missoula volunteers wishing for more information may also contact me, Kody Moore, KLORN at 340-1337 or email: kody.d.moore@gmail.com.

I will be driving from Missoula to the event site Sat the 11th and I am willing to help provide transportation. Volunteers will meet at 6:30 am at the park. Be prepared to get dispatched to your positions.

This was a great event to participate in last year and I encourage you to participate if you can!

73 Kody (KLORN)



Tour de Cure

Great August Presentation

by Elmer, WG7P,

Jeff Crews, Ed.D., owner of Spatial Sci and employee of the Montana Department of Education, made a presentation for those present at the August meeting entitled, "Google Earth: Taking Geospatial Data to a New Level." Jeff was a former science teacher and computer coordinator at Lolo Elementary School, is an employee of the University of Montana, and currently President of the Lolo Board of Education. Since Jeff's specialty and interest is applying Geospatial Data to classroom teaching, his presentation was interesting, exciting, and held the interest of HARC members through to the very end of his presentation.



Although his presentation focused on Google Earth, it was eye-opening to see the data and various applications that can be generated from utilizing Google Earth. Jeff was able to show those present that Geospatial data enables an easier understanding of concepts and information being delivered because we are able to visualize the data. He also gave a brief demonstration of various applications such as "Digging to China," "Street View," overlays of various information, how to find a particular location, and many other practical applications.

The response from those in attendance was very positive, and we thank Jeff for taking the time to present to HARC. If you have questions for Jeff, you can contact him via email at jeff@spatialsci.com. For more information about Spatial Sci, visit <http://www.spatialsci.com/index.php>



RADIO MEMORIAL: PA CLUB TO HOLD ON-AIR 911 OPERATION

Look for special event station N3U slash United Flight 93 will be on the air between September 9th to the 13th. This to commemorate the lives lost in the wanton acts of terrorism against the United States by agents of al Quida that took place on September 11, 2001.

This operation is to be sponsored by the Blair Amateur Radio Society, W3PN, along with various local, state and government agencies. These include the City of Altoona, Blair County Pennsylvania, the Red Cross and several others. Operators at N3U will include W3BTX, W3TEF and other W3PN club members.

Listen for N3U slash United Flight 93 on 160 through 6 meters using CW and SSB. QSL N3U/Flt 93 via W3PN, by the Bureau or direct. Please include Self Addressed Stamped Envelope with enough postage to reach your location.

For more details, see the call N3U, the Pennsylvania Memorial Station For the Sept 11th, 2001 Attacks on QRZ.com. (Via e-mail)

Amateur Radio Newslines™ Report 1724 - August 27 2010



ARES TURNS 75

The Amateur Radio Emergency Service, ARES, will be celebrating its 75th anniversary from September through December 2010. This program of the ARRL – the national association for Amateur Radio – has provided “ham radio” emergency communications for agencies such as the American Red Cross, Salvation Army, countless Emergency Operations Centers and other responders in the worst of times.

Their specially trained radio communications volunteers give thousands of hours of community service for free. Right here in your community, or maybe even in your neighborhood the Amateur Radio Emergency Service has been providing this service for many years.

The fastest way to turn an emergency into a disaster is to lose communications. In events from ice storms to Hurricane Katrina and Haiti, when normal communications systems were down or overloaded, the Amateur Radio operators of the ARES programs filled requests for communications aid.

Over the years the program name and equipment has changed but the vision remains. The modern communications nets that ARES can quickly create to blanket whole regions - without the need for other infrastructure - remain critical in emergency planning. In the first hours and days of a major event, Amateur Radio is often the source of initial information on the type, scope and reactions needed to save lives. Recognition of this capability led to formal agreements with DHS, FEMA, NOAA and other federal, state and local agencies. When the Internet, cell phone and electricity go out – they call on us, the hams.

The first mention of an organized Amateur Radio emergency response organization appears in the September 1935 issue of QST Magazine. We are 75, and still growing.

HELLGATE AMATEUR RADIO CLUB

Meeting Minutes for August 9th

Fire House #4, Missoula

Meeting Called to order by Elmer, WG7P at 7pm

Introductions were made with 16 attendees, and 1 guest

Secretaries Report— Mike, AE7MH **Motion Donnie, W7XY, 2nd Lewis, NQ7D** to approve meeting minutes for July 12th, 2010, as published with a correction by Jerry, N7GE – Sandra KF7GZS won the meeting prize, a compass. **Motion passed**

Treasurers Report— Jerry, N7GE **Motion Donna, KC5WRA, 2nd Mike, AE7MH** to approve Treasurers Report as presented. **Motion passed**

Program: Great presentation by Dr. Jeff Crews, on Google Earth: Taking Geospatial Data to a New Level. Jeff's Powerpoint presentation is available at his website at <http://www.spatialsci.com>.

Committee Reports

Membership — No report

Repeater — Eric, NZ7S - Presently the 147.04 repeater antenna was replaced by an old antenna to help diagnose the issues that have been plaguing the repeater. The repeater committee has determined that the existing antenna which had been in use for many, many years has gone bad. The repeater committee has narrowed the antenna replacement down to a couple of options and they will get the replacement ordered shortly. We need 10 to 12 work volunteers to help trench in a new conduit to the new mounting location for the 147.04 repeater antenna.

It was also noted that the repeater committee would be purchasing 2 TNC's that were included in the approved 2010 budget.

Net Operators — 8/11 Mike, AE7MH - 8/18 Bill, W4YMA - 8/25 Donna, KC5WRA - 9/1 Donna, KC5WRA - 9/8 Sandra, KF7GZS
9/15 Elmer WG7P or Liz WG7E

Old Business

Static — Monthly Editor, September **Mike, AE7MH** Thanks Michael, K7MSO for July

Blackfoot River Cleanup – Bill, W4YMA - Thanks to everyone involved, Betsy, KF7ECS was net control with Lewis, NQ7D camped at Johnsrudd, Bill, W4YMA at Whitaker and Donna KC5WRA rooming to fill in the weak spots.

Tour de Cure – Lewis, NQ7D - We have 1 volunteer, Kody KL0RN, from Missoula and need at least 1 more. Jerry Gregoire KD7WLX is the contact in Bozeman.

Other Items - None

New Business

NOAA Weather Service Assistance – Donnie W7XY – Donnie gave a general summary the current situation with the weather service including his visit to check out the current amateur radio equipment setup at the weather service offices. Presently the APRS station for the weather service is not operating. Donnie has now gathered information for the weather service sixteen times with each session lasting about 8 hours. Information gathered for the weather service is entered directly into their system by Donnie. Operators responding from the weather affected areas have contributed valuable communications for the weather service to forward on to other parts of the state. Thanks goes to Donnie and the participating operators for making a difference.

Boy Scout Jamboree – Frank, W7PAQ will chair this event and will have more information at the September meeting.

Girl Scouts Believe in Girls Expo – Email received by Elmer asking for assistance and participation in this event to be held at the Missoula fairgrounds on October 16th from 10 am to 3 pm. **Motion** to participate in this event, **Bill W4YMA** and **Donna, KC5WRA 2nd**. **Motion passed.** Bill, W4YMA, Betsy, KF7ECS, Donna KC5WRA volunteered to run the event.

Other Items – Bill, W4YMA to setup a station using a homebrew 40ft PVC pipe guided inverted vee antenna, to attempt contact with SSN Nautilus during a special event planned for August 17th, 1600z – 2359z in San Diego via USS Midway Museum radio Operations Room commemorating among other things, the SSN Nautilus sailing under the polar ice cap in 1958. The Special event station will be using calling W6PX. **Donnie, W7XY** made **motion** to make this a club event so that the club call sign of W7PX could be used for contacts. **Jackie KC7RBC 2nd**, **Motion passed.** Second motion was proposed to allow only one contact to be made with the club call sign, after much debate and a vote, this was not passed.

Announcements – our guest Jim Waters, 549-9029 is in need of assistance in erecting an antenna for SWL. He has the manual for the radio, hardware for an antenna and pictures. If you can help Jim get his station listening on the air, please contact him. Jim is not a licensed ham but is interested in ham radio, someone might assist him to become a licensed ham.

Buy or Sell? - Lewis, NQ7D – was contacted by the estate of Ernie KJ7WT, Yeasu FT-857 never used \$600. If interested contact Lewis for additional information.

Good of the Order - Nothing

Door Prize Drawing – 29 piece ratchet set, won by Lewis, NQ7D

Motion to Adjourn - Donnie W7XY, 2nd Paul, N7PAS - Motion passed

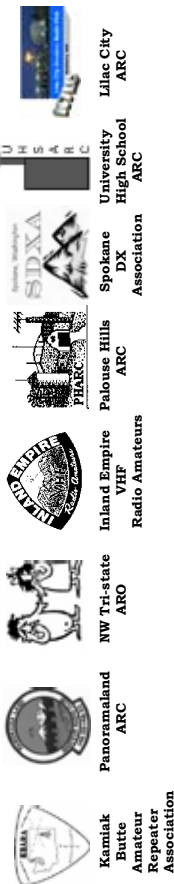
SPOKANE HAMFEST



and
American Radio Relay League
Washington State Convention

September 25, 2010
University High School
12420 E 32nd Ave, Spokane Valley WA 99216

Hosted by 8 Amateur Radio Clubs:



Raffle Prizes: 1st prize Kenwood TS-480HX hf/6m radio
 2nd prize ICOM 706MkGII compact hf/6m/2m/70cm radio
 3rd prize MFJ 259B SWR Analyzer 4th prize MFJ 4245MV Switching PS
Door Prizes: Just started in this area so we are still developing the list. So far a Buddi pole antenna. We expect door prizes to total over \$1500 in items based on last year's donations.
Seminars & Displays: ~ John, W7OE, 160 Meter DXing, Propagation and Antennas; ~ Wilse, WX7P, Improve your operating skills through Radio Sport; ~ Steve, WA7WKX, ARRL Big Project and University HS ARC 8 Year Accomplishments ~ WA State RACES officer BOB AD7LJ & EMD satellite trailer (tentatively) ~ "Junque" Auction by Wilse & Gimme, WX7P & AL7LB ~ "Radio test gear" table with jack, AD7FO ~ "Tales of 10 meters" by Bear, AC7HI ~ License exam ~ ARRL NW Division Director Jim, K9JF ~ ARRL EWA Section Manager Mark KB7HDX ~ Commercial & Non-commercial vendors ~ non-stop coffee, sodas and food. Other seminars and events are in the works - Stay tuned for up dates

Admission \$5
 Age 18 and under FREE
Commercial tables \$15
 \$12 if paid before September 3rd
Swap tables \$7.50
 \$5.00 if paid before September 3rd
 Admission not included in the price of table space
Free off-street parking for cars & RV's
Friday, September 24th
 Vendor Setup: 7-9 PM
Saturday, September 25th
 Vendor Setup: 8 AM
 Open to Public: 9 AM - 5 PM

SPOKANE HAMFEST 2010 REGISTRATION

Name _____ Call Sign _____
 Address _____
 Phone number/E-mail address _____

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

Registrations @ \$5 each
 Age 18 & under free \$ _____
 Commercial tables @ \$15.00 each \$ _____
 Swap tables @ \$7.50 each \$ _____
 \$5.00 before 9/03/10
Tables available while they last
Total \$ _____

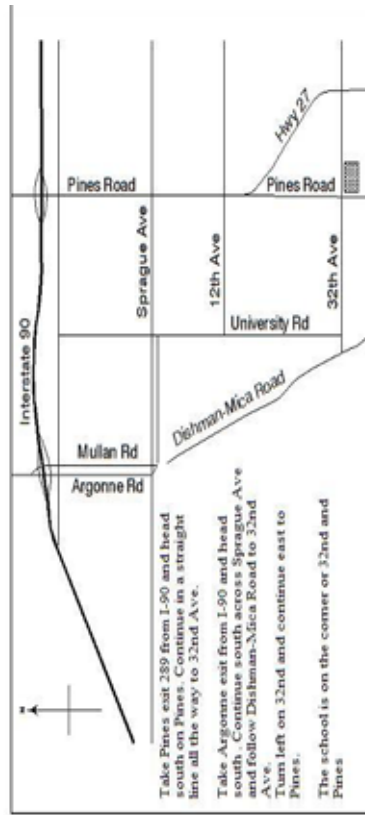
No admission charged for license exam only

Prepaid registrations will not be mailed, but will be held at the ticket table & available for pickup starting Friday, 9/24, 7PM

The SPOKANE HAMFEST is an annual event hosted by eight Amateur Radio clubs: The Inland Empire VHF Radio Amateurs, Kamiak Butte Amateur Repeater Association, Northwest Tri-State ARO, Spokane DX Association, Palouse Hills ARC, University High School ARC, Lilac City ARC, and Panoramaland ARC.

For additional information contact:

Bob Meenach AC7GP
 509-327-3188 ac7gp@hotmail.com
 Web site: <http://spokanehamfest.com>



Talk-in Frequencies: 147.24 MHz +offset No tone
146.58 MHz Simplex





Is amateur Radio important to you? Do you know the threats to our hobby?
JOIN and SUPPORT the ARRL, our greatest advocate for amateur radio.
Become a member today, for more information visit <http://www.arrl.org>



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