



Pilot Knob Amateur Radio Club • KS0LV • Leavenworth, Kansas • EM29 • Volume 3 - No 4 • April 2008

## Senate Voted 40 – 0 **PASSING** HB 2805

We have done it again TODAY ///// THURSDAY 03/27/08 at 11:20AM the Senate Voted 40 – 0 **PASSING** HB 2805. It will now be enrolled and presented to the Governor for signature. Thank you to all who assisted for doing your part..

We are ONE signature away from a KANSAS PRB-1 REALITY thanks to a great TEAM EFFORT. WILL KEEP YOU POSTED

For more information, visit [www.hamsforkansas.org](http://www.hamsforkansas.org)

JD Spradling - KC0NYS  
KCEM  
KANSAS PRB-1 Committee Chairman / PIO

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*Welcome to the  
Pilot Knob Amateur Radio Club*

The purpose of the Pilot Knob Amateur Radio Club (PKARC) is to further the exchange of information and cooperation among members, to promote radio knowledge, fraternalism and individual efficiency, to provide assistance to the best advantage in the event of emergency, and to conduct club programs and activities to advance the general interest and welfare of amateur radio.

PKARC is an ARRL Special Service Club. The club participates in various activities in Leavenworth County by providing communications for local events, emergency communications, and promotion of the amateur radio service throughout the community.

Anyone interested in the activities of this organization will be eligible for membership. Members must comply with FCC rules and regulations, as well as rules established by the club. Dues are \$25 per year (no extra cost for spouse or minor children who are amateurs). Meetings are held the first Thursday of each month at 7:30pm at the American Red Cross, 525 Shawnee in downtown Leavenworth and are open to the public.

The weekly **PKARC** Net is held every Wednesday evening at 7:30pm local time on the 147.00+ repeater (PL tone of 151.4 required) as well as a 70cm Net every Sunday at 7:00pm, on the 444.800+ repeater. All amateurs are invited to join, and visitors are always welcome!

The Leavenworth County **ARES** group conducts two nets every week. A regular net is held every Thursday evening (except the first Thursday of the month), at 7:30pm on the 145.33- repeater, and an Information and Training Net every Sunday evening at 7:30pm on the 147.00+ repeater (PL tone of 151.4 required). Any amateurs interested in emergency communications are invited to join.

All times listed are local.

## Minutes of 6 March 2008 Meeting

1. President Dan Borneman - W9JXZ - called meeting to order and held a round-robin for introductions. There were 20 members in attendance. Including our most recent member Robert M. Kimbrell, W7KU.

2. Minutes for February meeting were accepted with one correction. Howard Walker's call sign is KOHVD.

3. Several people were able to upgrade their licenses after the last testing session, including John Bennett's upgrade to General.

4. Treasurer Evan Strawbridge, WO4AVN, submitted his report with a balance of \$995.17 going into March. In addition the savings account has been located. There is \$1,400 in the account. A motion was passed for Evan to switch the money to an account that would earn more interest. Evan also informed the club that the tax return was being completed at this time.

5. Gary Auchard, WB0MNA, reported that the QRP event was a success. Members were able to talk to the east coast, west coast and even to Hawaii. The temperature was in the mid 30's, the food was good and we gained a new member out of the event, Bob, W7KU. The only downside was there were not as many contacts made due to a RTTY contest going on at the same time on 40 meters. Next year's Freeze Your Keys event may have to take place one week earlier in the year in order to miss the interference from the RTTY contest.

6. Santa Fe Depot was the designated breakfast spot for March 29th. With a time change to 8 AM to hopefully miss some of the Saturday morning rush.

7. President Dan discussed the Club's Web page. He is constantly making changes and improvements to the website. The Kickapoo QRP portion is still under construction at this time. The Thursday night net will be corrected to show it starting at 7:30. President Dan added that he gladly accepts any corrections or critiques. Just a reminder the web address

*QRZ is a monthly publication of the Pilot Knob Amateur Radio Club and may be quoted in other publications provided a credit line is included and the author (if known) is given acknowledgment. Items related to amateur radio will be advertised free of charge. Articles for publication in QRZ are always welcome and willingly accepted in any form. We reserve the right to edit material as necessary. Please let the Editor know if you experience problems getting your issues of QRZ, or if it is received in a difficult to read state. Members are encouraged to receive their QRZ via E-mail, rather than paper copy. Requests to receive the hard copy version will be honored. Your effort to reduce club expenses will be appreciated.*

*Comments or suggestions regarding the QRZ format are welcome and appreciated.*

is [www.PKARC.net](http://www.PKARC.net)

8. President Dan was happy to announce that the Club Shack is receiving mail. And has already received several items of mail. The PO Box has been shut down and the club has been refunded the amount remaining from what was paid at the beginning of the year. As a reminder the Club Shack's address is 4501 Commercial Place, Suite #101B, Leavenworth, KS 66048. ARRL already has the correct address.

9. The Club Shack committee is continuing to work on a list of needed items for the Shack. Members should contact Vice President, Rich Waelterman, N0XCM or Dave Phillips, KE0DL if they'd like to have the Club Shack opened up for a look at what is currently there.

10. For future meetings: The Club will need to have a "Work Day" at some time on a Saturday to work on putting up Antenna's for the Shack.

11. President Dan spoke about the great success of the first program about the Sun given by Doug Hall, KA0VVJ, and he looks forward to future programs. Rich Waelterman, N0XCM and Dan will discuss Batteries and Grounding. Doug, KC5VKG, will be taking care of weather. Gary Auchard, WB0MNA, is planning on working on Soldering on a Saturday at the Club Shack. Dave Phillips, KE0DL and Mac, W0ROO agreed to doing a program on Net Etiquette. Marty Auchard, WB0ERI is working on creating an outline for other Amateur Radio Etiquette programs, to include ARES net etiquette. April's Club Meeting's program will be a 58 minute video about the BS7H dxpedition. The club agreed to start April's meeting at 7:00 P.M. in order to be sure to fit in the video and the meeting. Club business will be addressed for the first 30 minutes with the video taking the remainder of the time.

12. John Bennett, KC0VRN, had two items. April 27<sup>th</sup> is a memorial bike ride that still needs 4 or 5 hams to assist.

Ten or fifteen Hospitals in the area have been working on setting up emergency communications in the event of a Pandemic. They have been working on using several different methods, with Digital being the method of preference for its speed and efficiency. Gary Auchard, WB0MNA, brought up the importance of the abilities



**Public Service Event Needs Your Help** - The coordinator for the Joseph Sheehan bicycle race on **April 27th** has asked for HAM radio support. Roger Harrison is the overall guru for coordination.

The race will occur the morning of April 27th, and operators will be needed for anywhere from 2-3 hours (or less in a couple of instances) depending on assignment. Race starts at approximately 0800.

The race course starts near the Prison Training Center and/or the Woodstock Shop, goes up Santa Fe Trail across Hwy 7, then west, then north to the south end of Atchison and back down Hwy 7 to Santa Fe and the Prison Training Center. As intersections are cleared, operators will be released.

Support will be provided by the Leavenworth and Atchison County sheriff's departments as well as the Atchison police force.

From the attached worksheet you can see they are hoping for about 7 HAMS. (Indicated by a Y in a column or PKRC). We already have some volunteers that have said they'd like to help, but more are needed. The other worksheet provides a map for the race route. *(Both were sent as attachments with this issue of the QRZ. - Ed)*

This is an excellent opportunity for anyone new to Amateur Radio to have experience listening in on, and participating in an event - and provide a public service at the same time.

If you think you can help, please provide a reply and contact John Bennett, KC0VRN, at [jbennett10@kc.rr.com](mailto:jbennett10@kc.rr.com) or catch him on one of the nets!



**Ararat Hambash** - It's once again that time of year. Time for the annual Ararat Hambash. This annual event will be held, as always, at the Ararat Shrine. 5100 Ararat Drive, Kansas City, MO. Doors open at 8m. Tickets are 3 for \$7.00 in advance, and \$4.00 at the door the day of the event. Features of the event include commercial exhibit area, traders area, snack bar, seminars and tech sessions, ladies hospitality room, and testing by W5YI (advanced registration not required). Also, parking lot displays of all the area mobile command posts and emergency operations trailers. Talk in frequency is 145.13 - **FOR INFORMATION AND TABLE RESERVATIONS contact** David Hinkley, KA0SOG, 1221 SE 11th St Lees Summit, MO or at [ka0sog@arrl.net](mailto:ka0sog@arrl.net) or visit <http://www.hambash.com/>

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**April 4-6 - Montana QSO Party** - 0000Z Apr 4 to 0000Z Apr 6 - 160-10M, 50-432MHz All Modes - Exchange - RS(T), S/P/C or MT county - Visit [www.fvarc.org](http://www.fvarc.org) for more info - Logs due 31-May

**April 5-6 - MO QSO Party** - 1800Z Apr 5 to 0500Z Apr 6 and 1800Z Apr 6 to 2400Z Apr 6 - CW 40 kHz from band edge; Phone--1.880,3.980,7.280,14.280,21.380,28.380 - Exchange - RS(T), serial or MO county - [www.w0ma.org/mo\\_qso\\_party.htm](http://www.w0ma.org/mo_qso_party.htm) for more details - Logs due 30 days after event.

**April 5-6 - QCWA Spring QSO Party** - 1800Z Apr 5 to 1800Z Apr - CW 1.810,3.540,7.035,14.040,21.050,28.050; Phone 1.845,3.890,7.244,14.262,21.365,28.325 - Exchange - Year licensed, QCWA chap or S/P/C - See [www.qcwa.org/qso-party.htm](http://www.qcwa.org/qso-party.htm) for forms and info

**April 12 - PSK31 Flavors Contest** - Apr 121200 local Apr 12 to 1800 local 20M PSK frequencies - S/P/C and name or 070 number [www.podxs070.com](http://www.podxs070.com) for information - Logs due May 12

**April 12-13 - Japan International DX Contest** - 0700Z Apr 12 to 1300Z Apr 13 - CW only - Exchange - RST, JA prefecture or CQ Zone - Visit [jidx.org](http://jidx.org) for more - Logs due 31-May

**April 12-13 - Yuri Gagarin DX Contest** - 160-10M CW only Exchange - RST, ITU Zone Visit [www.srr.su](http://www.srr.su) for more - Logs due 7-May

**April 12-14 - GA QSO Party** - CW - 1.815,3.545,7.045,14.045,21.045,28.045,50.095; Phone 1.865,3.810,7.225,14.250,21.300,28.450,50.135 - Exchange - RS(T), S/P/C or GA county - [gqp.contesting.com](http://gqp.contesting.com) for info - Logs due 15-May

**April 15 - VHF Spring Sprints** - 1900 local Apr 15 to 2300 local Apr 15 - 220MHz - Grid Square [www.sysadnet.com/vhfsprintrules.htm](http://www.sysadnet.com/vhfsprintrules.htm)

**April 19-20 - Kids Roundup** - 80-10 Phone, 50-440 - Exchange - Call sign, QTH, category, first name - See [www.ki3ds.org](http://www.ki3ds.org) for more details - Logs due 1 May

**April 19-20 - Michigan QSO Party** - CW 45 kHz from band edge,Phone 3.825,7.200,14.250,21.300,28.450 - Exchange - Serial and MI county or S/P/C - For more, visit [www.miqp.org](http://www.miqp.org) - Logs due 30 days

**April 19-20 - Motorola QSO Party** - CW and Phone 1.880,3.880,7.180,14.280,21.380,28.380,50.180 - Exchange - RS(T), S/P/C or Motorola office number - [www.qsl.net/k9mot/motqp.htm](http://www.qsl.net/k9mot/motqp.htm) - Logs due by 31 May

**April 19-20 - Ontario QSO Party** -CW band edge + 30 kHz; Phone 1.87,3.735,3.86,7.07,7.26,14.13,14.265,21.26,28.36; VHF: 50.13,52.54,144.205,146.55,432.105,446.1 - Exchange - RS(T), S/P/C or Ontario QTH - [cco.ve3xd.com/oqp](http://cco.ve3xd.com/oqp) - Logs due by 31 May

**April 26-27 Helvetia Contest** - 160-10CW/SSB/Digital - Exchange - RS(T), serial or Swiss canton - Visit [www.uska.ch/e\\_index.htm](http://www.uska.ch/e_index.htm) for more info - Logs due 31 days

**April 26-27 - Old-Old-Timers Club QSO Party** - 80-10 CW/SSB - Exchange - RS(T), member number or state - [www.ooc.us/party](http://www.ooc.us/party) - Logs due in 30 days

## WB0MNA Presents Portable Antennas

### Meeting Minutes Cont'd

and qualifications of the volunteers, keeping in mind that in the event of an emergency they may have to sit in one place for an extended period. Mac McConnell, W0ROO mentioned that he and Rick Reichert, KF4LM have also been helping and working with the hospitals on this exercise, as well as Rich, N0XCM. This was a very interesting subject with a lot of information that I have severely shortened in this space. I would like to suggest that if we run out of program ideas, I would like to hear more about this subject.

13. **Other Club notes:** Gary Adams, WA0BTM, brought up that the special events station for the Titanic W0S.org still needs operators. With Field Day only being 3 months out the location of the event was discussed. The agreed site is to be the Club Station's parking lot. Expect to be propositioned for tables to place food on for the event.

Larry Everitt, WB0PDR, mentioned that he spoke with Representative Steve Whitaker about supporting bill PRB1. Larry was going to touch base with Rep Whitaker to thank him in advance for his support.

After the meeting there was some "show and tell" of QSL cards.

14. This is just a short synopsis of the program given about portable antennas. Any errors are not the fault of the excellent presenter, Gary Auchard, WB0MNA.

Portable antenna's can be easy and inexpensive. The rubber duckie antenna has a lot of limitations. Portable antenna's can be fun, but are also helpful in emergency situations such as ice storms. An example of a HF portable antenna can be one that uses your vehicle as an antenna system. They can even be designed so that you can go into a building and have a coax feed that reaches out to your vehicle. One of the examples that was shown used a receiver hitch, to which you could attach a center loaded antenna. Gary brought two dipole antennas that he felt were excellent for QRP back packs. One of the antennas was a 6 band dipole the other a 4 band.

(Directions for both can be found online and almost all of the items you need to build them can be found at Wal-Mart or Westlake.) They don't have to look pretty, they just have to function. They can be built on a Saturday and with the help of an analyzer you could be up and running in no time. In order to expand to another band you just have to add another jumper to it. An excellent resource for coax with links already attached are computer stores. Just be sure that you have the right adaptors with you when you go out to use your antenna. A very useful item that might be often overlooked would be a camera tripod. Camera tripods can be adapted to become a stand for external antennas, especially in situations where there is no vehicle handy. Camera tripods can be found at the DAV, Salvation Army and other discount used goods stores for around \$3. The camera tripod can be insulated with a few easy modifications. If you are worried about the tripod catching some wind and tipping, a weight or rock tied to the center will do the trick. As will a dog run that you screw into the ground. There are many different antennas that can be attached to the camera tripod: For instance you can just use some coax wire, about 30 or 40 feet, you will need to play with it ahead of time to get the feel of it. An MP1 (superantennas.com) W6NMA telescoping antenna 10-40, manual screw driver proven for back packers. (You can buy a coil for it for \$75.) Base loaded coil telescoping too, you move the jumper from hole to hole for different bands.

VHF & UHF a 5/8th wave gain type antenna. You can get a Buckbuster for \$15, Gary's Buckbuster is 30 years old. Buddy poles are also popular with QRP. To Gary one of the most interesting parts of Ham radio is emergency and on site antenna building. Google "HF Pack" for more information. MFJ has an antenna analyzer for \$259. WB0W has the best price of \$239. WB0W can be found by going North on I-29 to 169 Highway, turn right and look for the big white truck that says WB0W hamfest on it. A ladder or J Pole Antenna is functional and easy to build. Anytime you can it is always best to try to get your antenna outside.

# VE Bits



Club

members and others interested in taking the FCC examinations for the various license classes should know that testing sessions for the Club have been set at the American Red Cross building on Shawnee Street, Leavenworth at 7:00pm. The next testing date for 2008 is scheduled for 25 April.

If you need assistance preparing, please ask any of the Club officers. Classes will be held also throughout the year depending on the number of those interested in devoting the time.

Please notify Martha Auchard, **WBOERI**, at 772-7350 of your desire to take the test, so Volunteer Examiners can be notified and all the elements you need are on hand. Also, if you have any questions about testing, or how to become a Volunteer Examiner, contact Martha.

## FOR SALE



Satellite Antenna System that includes the following:

- Cushcraft 416-TB OSCAR Satellite Circular Polarization Boomer Antenna
- Cushcraft A144-20T VHF Twist Antenna
- Yaesu G-5400B Antenna Azimuth-Elevation Rotator and Controller
- Kansas City Tracker w/cable (PC Board that automatically controls az-el)
- Antenna Boom
- Rotator Controller Cables
- 10' Mast (for concrete base)

\$600 Firm [System price is less than buying just the rotator alone.]

Excellent starter kit if you're interested in QSOs via satellite!  
Contact Rick Reichert, KF4LM, at 727-3577, or [signleer@earthlink.net](mailto:signleer@earthlink.net)

## Calling All DX Chasers

**2M1, SCOTLAND** (Satellites and Low-band). Paul, 2E1EUB, will be active again as 2M1EUB from Cairngorms National Park near Aberdeen (IO87RJ) beginning April 12th for 7 days. Activity will be on all satellites (but mainly AO7 SSB), 160/80 meters and some other HF SSB. QSL via his home callsign. Also, visit the QRZ.com Web page under 2M1EUB to see a picture of the location and QSL info.

**A7, QATAR.** Bill, NM7H (YI9WF), is expected to return to here sometime in early April and be active as A7/G0MKT through the middle of June. Activity will be mainly CW on 40-6 meters with some SSB and PSK. QSL via NM7H, direct or by the bureau.

**GB0, ENGLAND** (Special Event On The Birds). Operators Robert/G8ATE and John/G7HIA will be using the special call-sign GB0CD to celebrate "Cosmonautics Day" on April 12th between 0800-2200z on AO7, AO16, AO27, SO50, AO51 and VO52. Some other activities may take place over the following 4 weeks with operations possibly on SSTV and other Digital modes. Cosmonautics Day is a Russian holiday celebrated in honor of the historic first manned space flight made on April 12, 1961, by 27 year old Russian cosmonaut Yuri Alekseevich Gagarin of the USSR, who made one complete orbit around the Earth (lasting 1 hour 48 min.) aboard the spacecraft Vostok 1.

**HL0, REPUBLIC OF KOREA** (Special Event). Look for special event station HL0HQSC to be active until April 30th. Operations will be on all bands and modes, including the satellites. Activity is to commemorate the first YL Korean astronaut, Yi So-yeon (DS3SYL), during her mission on ISS (International Space Station) between April 8-19th, and to celebrate ARISS School Contact that she will communicate with Korean youths through HAM radio during her mission to Space. QSL via HL2CFY, direct or by the bureau.

**HS, THAILAND.** By the time you read this, Joerg, DL1MJF, is expected to be active as HS0ZGQ between now and April 24th. Activity will be on 40-10 meters, including 30/17/12 meters, CW and SSB, using a TS-50 and G5RV dipole. Suggested frequencies are: 7022, 7062, 14022, 14262, 21022, 21262, 28022 and 28562 kHz. He also plans to visit the Island of Koh Samui (AS-101) between April 20-24th. QSL via DL1MJF, direct or by the bureau.

# SPECIAL EVENTS

Need that one last location to finish off an award? Or just looking for new wall paper for your shack? Fulfill both needs by contacting these Special Event stations during the month.

**Apr 5, 0000Z-2359Z**, Tulsa, OK. Tulsa Health Department Amateur Radio Club, K5THD. Celebrating World Health Organizations World Health Day 2008. 14.273 7.273 14.070 14.230. Certificate. Dave Cox, Tulsa Health Department, 5051 S 129 E Ave, Tulsa, OK 74134. [www.tulsa-health.org/k5thd](http://www.tulsa-health.org/k5thd)

**Apr 6-Apr 7, 0000Z-0500Z**, Independence, MO. Association of Saints Church Radio Amateurs, W0C. ASCRA "QSO Party" - Founding of Community of Christ church in 1830 and ASCRA in 1973. 14.287 7.233 3.985. Certificate. ASCRA/W0SHQ, PO Box 73, Independence, MO 64051. This is not a contest. We invite all hams (and world-wide ASCRA members) to contact us. Include SASE for certificate. [www.ASCRA.org](http://www.ASCRA.org)

**Apr 10, 0000Z-2359Z**, San Angelo, TX. AB5BG. Bataan Death March. 28.400 21.300 14.250 7.235. Certificate. Donald R. Goff, 1210 Ardmore, San Angelo, TX 76905. [ab5bg@wcc.net](mailto:ab5bg@wcc.net)

**Apr 11-Apr 12, 1330Z-2100Z**, Indian Orchard, MA. Titanic Historical Society, W1MGY. 96th Anniversary of the Titanic voyage. 14.260 14.033 7.260 7.033. QSL. Titanic Historical Society QSL, PO Box 51053, 208 Main St, Indian Orchard, MA 01151-0053. [www.hcra.org/titanic.htm](http://www.hcra.org/titanic.htm)

**Apr 12, 1400Z-2200Z**, Hawthorne, NJ. Bergen Amateur Radio Association, K2BAR. Earth Day Celebration. 28.350 21.325 14.325 SAT. Certificate. Fred Buchner, 202 Tenth Ave, Hawthorne, NJ 07506. [ko2fb@arrl.net](mailto:ko2fb@arrl.net) or [www.bara.org](http://www.bara.org)

**Apr 12, 1600Z-2300Z**, San Diego, CA. USS Midway CV-41 Museum Radio Room, NI6IW. Commemorating the Centennial of the Great White Fleet visit to San Diego in 1908, and the USS Midway decommissioning in 1992. 14.325 7.250 14.060 7.040. QSL. USS Midway CV-41 Museum Radio Room, 910 N Harbor Dr, San Diego, CA 92101. [af6ha@yahoo.com](mailto:af6ha@yahoo.com)

**Apr 12-Apr 13, 1500Z-1900Z**, Ft Sumter, Charleston Harbor, SC. Coastal Amateur Radio Association, W4BWZ. 2nd Annual "First Shots of the US Civil War" April 12. 21.412 14.312 7.212 3.912. Certificate. Coastal Amateur Radio Assn, K4KOA, 14 Campground Rd, Yemassee, SC 29945. This also a 3X Light House on the Air Station, covering historic Ft Sumter light, Sullivans Island & Morris Island lights. [k4koa@arrl.net](mailto:k4koa@arrl.net)

**Apr 12-Apr 14, 1300Z-0000Z**, Branson, MO. Titanic Hams, W0S. To commemorate the 96th anniversary of the Titanic disaster. 14.250 14.050 7.250 7.050. QSL. Dave Beckler, WA0SAP, 1005 W Oakhurst, Nixa, MO 65714. [w0s.org](http://w0s.org)

**Apr 19, 1600Z-2200Z**, Long Beach, CA. Shoreline Amateur Radio Association, K6SYC. SYC Salutes 33rd year of Long Beach Grand Prix. 14.265 7.250 3.850 147.090. QSL. K6SYC, 386 Shoreline Dr S, Long Beach, CA 90802. Tune in and hear the roar of Grand Prix racing in the background. Special event station is just a few yards from the track. [K6SYC@yahoo.com](mailto:K6SYC@yahoo.com)

**Apr 19, 1600Z-2200Z**, Norman, OK. South Canadian Amateur Radio Society, W5NOR. Commemorating the Oklahoma Land Run of 1889. 14.325. QSL. SCARS, PO Box 720993, Norman, OK 73070. [www.w5nor.org](http://www.w5nor.org)

**Apr 25-Apr 27, 1900Z-0700Z**, Visalia, CA. International DX Convention, K6V. Celebrating the 59th International DX Convention. 14.250. QSL. Mel Hughes, K6SY, 28017 San Nicolas Dr, Rancho Palos Verdes, CA 90275. [www.dxconvention.org](http://www.dxconvention.org)

**Apr 26, 0000Z-2359Z**, Wall, NJ. Ocean Monmouth Amateur Radio Club, N2MO. International Marconi Day, Award Station. 14.250 14.050 7.250 7.050. Certificate. OMARC, PO Box 267, Oakhurst, NJ 07755. International Marconi Day Award Station from the original Belmar, NJ site. [www.omarc.org](http://www.omarc.org)

**Apr 27, 1600Z-2200Z**, Charlottesville, VA. Albemarle Amateur Radio Club, W9GFZ. National Radio Astronomy Observatory Community Open House. 14.220 7.220. QSL. AARC, PO Box 6833, Charlottesville, VA 22906. [awswinger@earthlink.net](mailto:awswinger@earthlink.net)

Contest and Special Event listings courtesy of the Amateur Radio Relay League, [www.arrl.org](http://www.arrl.org). DX listings courtesy of the Ohio/Penn DX Bulletin, [www.papays.com/opdx.html](http://www.papays.com/opdx.html). Due to space limitations, not all listings from the sources are provided; only those that may be of general interest. Additional information and listings may be obtained from the respective websites. The Pilot Knob Amateur Radio Club (PKARC), the QRZ, or it's editor make no guarantees to the accuracy of the information provided.

**Contest abbreviations** - SO -- Single-Op, M2 -- Multiop -- 2 Transmitters, MO -- Multi-Op, MS -- Multi-Op, Single Transmitter, MM -- Multi-Op, Multiple Transmitters, AB -- All Band, SB -- Single Band, S/P/C -- State/Province/DXCC Entity, HP -- High Power (>100 W), LP -- Low Power, QRP (5 W or less), Entity -- DXCC Entity.

## MEETINGS

Date: First Thursday of each month  
Time: 7:30 p.m., Central Time  
Location: The American Red Cross  
525 Shawnee  
Leavenworth, KS

## AFFILIATIONS

THE AMERICAN RADIO RELAY LEAGUE  
THE AMERICAN RED CROSS  
THE LEAVENWORTH COUNTY  
OFFICE OF EMERGENCY MANAGEMENT  
THE SALVATION ARMY

**We're on the  
Web  
[www.pkarc.net](http://www.pkarc.net)**

The Pilot Knob Amateur Radio Club  
4501 Commercial Place Ste 101B  
Leavenworth, KS 66048  
[www.pkarc.net](http://www.pkarc.net)

# AMATEUR RADIO

AREA REPEATERS	PL TONE	TRUSTEE
145.330(-)		NOKOA
147.000(+)	151.4	WBOERI
444.800(+)	151.4	W0ROO
442.350(+)	107.2	NOMIJ

  

LOCAL NETS	DATE - TIME - REPEATER
ARES Info and Training:	Sun. - 7:30pm - 147.000
PKARC Net:	Wed. - 7:30pm - 147.000
ARES Net:	Thur: - 7:30pm - 145.330
MAC Net:	Sun: - 7:00pm - 444.800

