



VOLUME 57 ISSUE 02

February 2007

SIX METERS: THE MAGIC BAND



Many of you have heard me talk about 6 meters being my favorite band. Why? Well, I started my ham radio career operating on 6 meters. I earned my first license in the summer of 1962 and my Elmers operated 6

meters for the Civil Defense at that time. Of course everyone then was operating amplitude modulation (AM). The move to two-meter FM didn't come along for several more years.

I was only 15 years old when I earned my first license and I was really impressed by radio's magic. How those signals got from one place to another was really a mystery to me despite having passed my Technician exam. At that time, the Technician written exam was the same as the General exam. Although I had several Elmers, there weren't any classes for studying. Mostly I read the ARRL License Manual and asked questions when I could. Weekly nets were held on 50.4 MHz and the control operator was at the local Civil Defense Operation Center. I rode my bike there or caught a ride with a friend. If I was lucky, I was the net control operator with one of the older hams looked over my shoulder.

What always fascinated me about 6 meters was that some days you could barely talk across town and other days you could talk across the country using just a few watts. It still hasn't changed.

My first 6-meter station was the ubiquitous Heathkit Sixer. Also known as the Benton Harbor

lunch box, this little jewel was amazing. Compared to the equipment of today it was pretty crude but it was a lot of fun to operate. It had a crystal-controlled transmitter running 5 watts of plate input power (if you were lucky). Power was measured by the input power to the final amplifier. Since we are talking amplitude modulation on VHF I guess the output power was no more than 3 watts, maybe less. Power meters



for hams were not very common then. To receive, the rig had a tunable super regenerative receiver as broad as two barn doors. The advantage was that I could listen to two different Civil Defense nets in the area with out

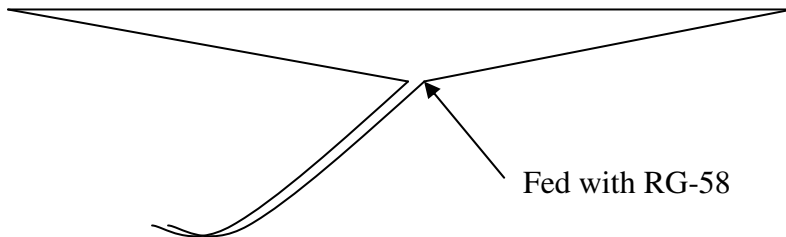
retuning. Of course, if people transmitted on two different frequencies at the same time I received gibberish.

For an antenna I managed to cobble together something I called a two-element beam. Considering what I use today, it was pretty laughable and it's a wonder it even worked at all.

I bought some aluminum tubing to make a boom and the two elements. The tubing I bought was not long enough for the driven element or the director so I used some broom handle to extend the length of the elements to what I thought was needed and added some 12-gauge wire to the

Cont'd on next page

director to extend its length. For the driven element I made a more or less folded dipole to do something similar. Here is a rough drawing to show what it looked like.



I didn't know anything about feed line loss or SWR at the time. It would not have made any difference if I did since I didn't have much choice of materials nor any equipment to measure what was going on. I just hooked it up and used it. Looking at it now, I imagine that if I was lucky enough to get 3 watts out of my Sixer, I might have gotten about 1.5 watts to the antenna. Who knows how much reflected power there was? With this wonderful setup I managed to work around town and sometimes even to the folks in the surrounding towns 30 miles away. It was magic, proving the old adage that ignorance is bliss.

After a year or so of operating this way, my Elmers were able to help me out a bit. First, I signed out a Gonset Communicator III 6-meter transceiver. This was a great improvement over the Heath Sixer. The Communicator III was commonly called the Gooney Box and it had features that I thought were just great. It ran about 8 watts of power, almost a 3db increase from what I had been using. I didn't know what a db was but that was okay; I knew I was putting out a lot more power. Most importantly it had a real superhet receiver that was only one barn door wide. I could actually separate single signals now. Also, it had sockets for six crystals that were switch selectable. This was a real improvement in working stations when the band was open. Later, I added an external VFO that made for increased capability. Note the antenna sticking out the top. For some reason the Gonset designers put the coax connector on the top of the rig instead of the

more normal position on the back. I did have a 54-inch whip that I could plug in for portable operation.

To add to my station I found a commercial five-element beam that really worked. I was still using the RG-58 coax but it worked, so I didn't care. With this setup, in the summer of 1963, I worked all over the country. I still have QSLs from many of those contacts packed away. One



of my favorites was from K1TOL, Lefty in Maine. I talked to him often during the years I was stationed in Maine. As it turns out, we are the same age and he still operates 6 meters. As a matter of fact, he's listed in the ARRL web site as having 1200 grids confirmed on 6 meters. As far as I can tell, Lefty is the world leader in grids confirmed on 6 meters.

I still get on 6 meters when I get the chance. It is always fun and you never know who will answer when you call CQ. It could be someone across town, across the country or anywhere in the world. That's the magic of radio.

Rick Brown KØSU

DITS AND BITS

DX-ing: Dariusz Milka SP6NVK has started a new DX website. The Internet Ham Atlas contains complete information on all 337 DX entities, over 3000 pictures and more than 1100 maps. Check it out at www.hamatlas.eu.

CLUB EVENT: Do you have a cap or hat your better half hates? Is it goofy, serious, sentimental or just plain odd? On Feb. 14th, it's time to take it out of the closet, off the wall or out of the trash or charity donation box and wear it to the club meeting and tell us why it's your favorite. Pictures will be taken.

IN MEMORIAM



Doug Wilson WAØVSL died January 18th of an apparent heart attack on Badger Mountain in SE Park County. He was 53 years old. Doug, a broadcast engineer, headed up Badger Mountain late Thursday afternoon to work on an FM translator station. He was in radio contact with several area hams during his ascent, but near the top his tracked ATV was unable to get through the deep drifts, so he snow-shoed the remaining distance to the summit. He reported that he had reached the transmitter building atop Badger and that he planned to work through the night and come down Friday morning. When he was not heard from Friday morning Park County [Search And Rescue] (SAR) was contacted and they found Doug at the summit.

Doug was a valued, long-time member of Pikes Peak ARES, often volunteering for assignments in the worst weather and at any time of the day or night. Last October he deployed to a shelter at Lewis Palmer HS at the height of the blizzard in the middle of the night. Doug's active participation in ARES as well as his caring, friendly nature will be sorely missed.

In Doug's own words: "I am an acoustical consultant and audio engineer living in the woods north of Colorado Springs, Colorado USA. I am also an amateur (ham) radio operator, callsign WAØVSL. I have been interested in radio astronomy ever since I heard earth to moon to earth (EME = moon bounce) signals and my own signals returned from an amateur satellite. Not having the time or money to build a radio telescope, SETI is my vicarious means to do something related. I also enjoy backpacking, music composition and audio recording of nature's sounds.

I do feel that the odds of us being the only sentient beings in the universe to be rather slim and that we should seek any others for knowledge sake alone. I feel that SETI is evolutionary in the sense that for the first time mankind is working collectively (i.e., hive-like) on a large scale to solve a task without being coerced, commanded

or forced to do so.

On the topic of a beacon, I do not feel that it is necessary as we have been doing so with our everyday emissions ever since we discovered electromagnetic waves. What could be more representative of our culture than what we send to ourselves?"

Jody Borst, KAØROZ lost her long battle with cancer on January 23rd. XYL of Les, KCØNC, mother of Renay Boyes KAØROY and mother-in-law to Jeff Boyes NØJLH, Jody had long been an active member of the Amateur Radio community in the Pikes Peak region. A memorial service was held at Vista Grande Baptist Church, NW corner of Powers and Stetson Hills on Monday, January 29, 2007 at 11 AM.

Originally published at ARRL.org

AMATEUR RADIO LICENSE EXAMINATIONS

The Pikes Peak Radio Amateur Association Volunteer Examiner (VE) team holds testing sessions at 9 AM at the Colorado Technical University, 4435 North Chestnut (just west of I-25 and just south of Garden of the Gods Rd). Exam fee is \$14.00 for 1, 2, 3, or all 4 elements at a session. Checks should be payable to ARRL/VEC. For further details and a list of what to bring, contact Dennis Major NØABC by phone at 531-774, by email at NØABC@arrl.net or visit the PPRAA web site.

Mark your calendars:

**Feb. 10, Apr. 14, Jun 9, Aug. 11,
Oct. 13, Dec. 8**

**SPECIAL EVENT STATIONS
FEBRUARY 2007**

Feb 10: 0800Z-1900Z, Huskvarna, SWEDEN. Swedish Heathkit Club, SK7XN. Encouraging the use of Heathkit Radios. 14.287 14.040 3.700 3.540. QSL. Jan Eliasson, Klevavagen 3 C, Tenhult SE-560 27, SWEDEN.
www.heathkit.se

Feb 10: 1400Z-2200Z, Leavenworth, KS. Kickapoo QRP Amateur Radio Club, WØEBB. 3rd Annual Freeze *Your Keys* Winter Event. 14.260 14.060 7.290 7.040. QSL. Gary Auchard, 34058 167th St, Leavenworth, KS 66048.
www.pkarc.org

Feb 10: 1400Z-2300Z, Rapid City, SD. Dakota Chapter 102 QCWA, W0DAK. To commemorate the 30th anniversary as a QCWA Chapter. 28.450 14.250 7.250 3.889. Certificate. Frank Shaw, NU0F, 118 E Van Buren, Rapid City, SD 57701.
www.qcwa.org/chapter102.htm

Feb 12-16: 1400Z-2100Z, Ft Myers, FL. Fort Myers Amateur Radio Club, W4LX. Celebrating Thomas Edison's Birthday. 28.430 21.350 14.240 7.230. Certificate. FMARC, PO Box 061183, Ft Myers, FL 33906. stellagurka@earthlink.net

Feb 17: 1700Z-2100Z, Interlachen, FL. Putnam County Amateur Radio Club, W4SA. Hazardous Weather Awareness Week. 28.350 14.255 7.263 146.52. QSL. Putnam County Amateur Radio Club, Box 1447, Interlachen, FL 32148.
w4sa.pcarc@yahoo.com

Feb 17-18: 1500Z-2100Z, Alexandria, VA. Mount Vernon Amateur Radio Club, K4US. Commemorate George Washington's Birthday. 28.415 14.240 7.240. Certificate. Mt Vernon ARC, PO Box 7234, Alexandria, VA 22307.
www.mvarc.com

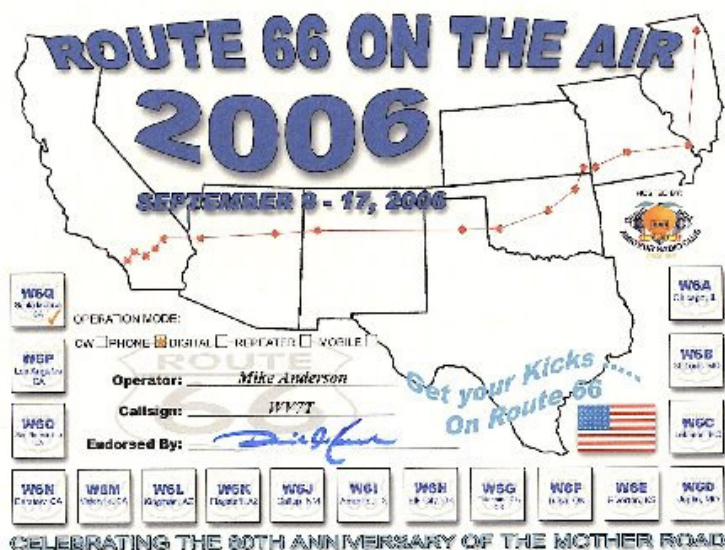
Feb 24: 1500Z-2300Z, Kent, OH. Portage County Amateur Radio Service (PCARS), KD8CKP. 2nd Annual *Freeze Your Acorns Off* QRP Special Event. 21.345 14.245 7.245. Certificate. Al Atkins KB8VJL, 12433 Chamberlain Rd, Aurora, OH 44202.
www.portcars.org

Feb 28: 1500Z-2230Z, Baton Rouge, LA. USS Kidd Amateur Radio Club, W5KID. Sixty-fourth anniversary of the launching of USS Kidd, DD-661. SSB 14.250-14.320 CW 28.060 21.060 14.060 10.106 7.040. QSL. W5KID, c/o USS Kidd Museum, 305 South River Rd, Baton Rouge, LA 70802.
www.lsu.edu/brarc/USS_Kidd.htm

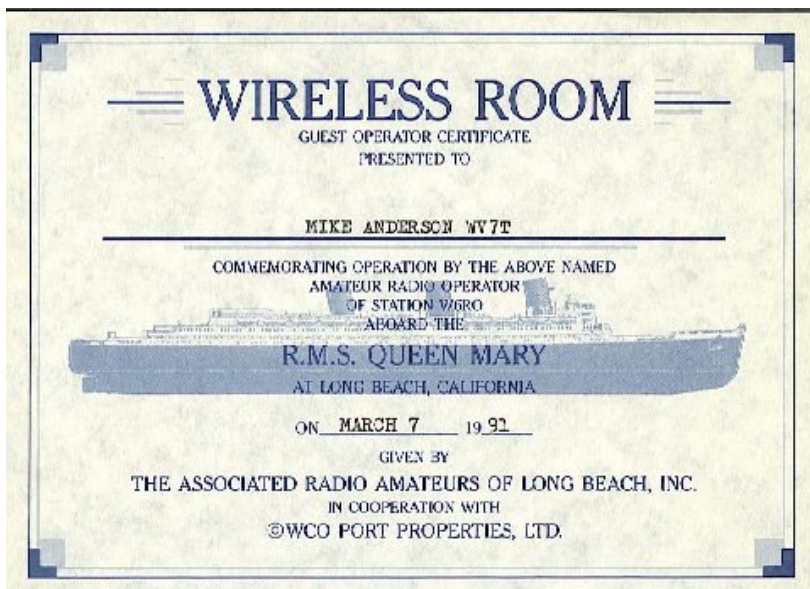
IN THE NEWS

The PPRAA VE team is tentatively scheduled to hold a special session on Saturday, 2/24/07, at 8:00 AM at the Colorado Technical University. The effective date of the rule change dropping the Morse Code testing requirement is 02/23/07. This special session is also to help alleviate any surge in candidates from Colorado Springs who might have otherwise gone to MARC's regular session on March 3rd. Please check the ARRL web site at www.ARRL.org for updated information.

Vanity Call Sign Processing: The hold on processing new Amateur Radio vanity call sign applications continues, and there's been no word from the FCC on when it will end. The Commission halted the processing of new vanity call sign processing while it modifies the software that handles vanity applications. The suspension, which does not affect vanity call sign renewals, resulted from a new Amateur Radio Service rule that went into effect December 15 to discourage the filing of multiple applications by one individual for the same



Mike Anderson WV7T worked at least 1 of 17 stations along Old Route 66.



Mike Anderson WV7T was the guest operator aboard the RMS Queen Mary docked in Long Beach, California, operating under W6RO.

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IT COSTS HOW MUCH?

George Kuehn N4AUP

I've always been happy to see *QST* carry a healthy load of advertising. That's good for the League and good for Amateur Radio in general. It means that a meaningful proportion of the ham fraternity is willing and able to part hands with wads of money to have the latest and most sophisticated equipment. In addition to the positive effect of hams wishing to stay current with technology, there is also the benefit of feeding the success of manufacturers and dealers of ham equipment. This success creates a business community with a vested interest in helping us protect Amateur Radio from those who either want our spectrum allocation or don't like our antennas.

There is a downside; ham radios can cost a small fortune. This isn't some sort of rip-off. The price of today's equipment is justified by the features and performance available in these modern marvels. Just the same, reading the reviews of new equipment in *QST* almost always ends in a healthy dose of sticker shock. Anyone casually interested in amateur radio will balk at the potential cost. Interested youths typically can't afford to get their feet wet and older adults might not be willing to drop a bundle either.

From time to time, *QST* authors and others have written advice about getting started by searching out used equipment. The savings can be considerable, but in no way reduces entry cost to a casual purchase level. Since the growth in the number of Amateur Radio licensees has not kept pace with general population growth there can be no doubt that cost constitutes a significant barrier.

The ARRL has wisely supported [ham radio in the schools](#) and through community clubs. These are potent entry points to Amateur Radio that might allow newcomers to get started without large cash outlays. League publications have, over time, amassed an amazing collection of build it yourself information that makes it possible for determined people to get started in ham radio. Until now, the word hasn't really gotten out very well that ham radio can be explored for extremely modest costs. In August 2006, the League issued a [Homebrew Challenge](#) to build a station for \$50 or less. To my way of thinking, that's a step in the right direction.

In 1957, I built a simple transmitter on a wooden frame with used parts scrounged from my high school ham radio club; the plans came from a League

publication. I made my first contact with that transmitter and a kit-built super-regenerative receiver. Fortunately, the laws of physics haven't changed in the nearly 50 years that have passed since my first contact. The good old F layer still bounces signals and contacts can still be made with very simple equipment.

What has changed is the astonishing availability and affordability of new and surplus electronics components. The Internet has played a big role as a source for designs and a tool to find and order materials. In a way, the potential for do-it-yourself basic radio has never been better. The problem is that we haven't done as much as we could to show new-comers how much fun you can have from the cheap seats.

Having an HF through 6-meter, DSP, dual VFO, 1000 memory, spectral display whiz-bang 4000 and an overhead aluminum overcast mounted on a 50-foot tower makes getting contacts easier than a homebrew direct-conversion receiver, MOSFET amp transmitter and a wire antenna. But a "most fun per dollar" calculation tells a different story. On a hot summer night in 1978, in the midst of considerable interference, I worked New York from Florida on 80 meters with a two transistor transmitter and a dipole. The rig was from a League publication and used the same crystal I had employed for my first contact 21 years earlier. Then there was my bamboo pole 10-meter beam and the time I worked Sydney, Australia on a 5W AM phone. I could go on, but you get the idea.

We should all spread the word and attract new-comers to ham radio. The next time an inquisitive person asks you how much it costs, tell him that equipment can be expensive, but a simple station can be built inexpensively and make contacts anywhere in the world under the right conditions.

As a radio club member you can share your own basic radio experiences and help others build their own basic radio rigs. Clubs might want to sponsor a contest that counts contacts made with a station built for a maximum \$50 outlay and all homebuilt including the antenna. School radio programs could similarly help kids get licensed and then operating with their own self-financed homebuilt stations.

Talking up the plain old fun of basic radio and continuing to encourage the "minimum outlay station" idea would also be helpful. Hams once borrowed heavily from defunct tube-type TV sets. The innards of defunct VCRs, DVD players and cell phones may well be the new source for junk parts for the 21st century.

First licensed in 1956 as KN9MNV, George Kuehn was re-licensed as N4AUP.

PPRAA CLUB MEETING MINUTES**January 10, 2007**

President Mike Allison KØMLA called the meeting to order at 7:05 PM in the El Paso County Health Department Auditorium, followed by introductions around the room.

There were not enough members present to make up a quorum so the meeting progressed with that being known.

Silent Keys: None

Minutes: Corrections to the Zero-Beat include Mike Stansbury's name is incorrect.

Treasurer's Report: Dan reported that we had a total balance of \$8,854.08 in our three accounts as of 1/10/2007.

Committee Reports

Dennis, NØABC: There will be a special test session on January 27th. The next regular test will be February 10, 2007.

Mike WV7T: Classes started last night. Tech on Tuesday and General on Thursday. Class for the El Paso county S&R for their Technician License. Mike will continue to give Code Classes.

Doc WØMCT: Races meeting on Thursday. Hospital exercise will take place on Saturday, January 13th.

Tom NØNTX: New Argentinean satellite went up. RAFT sat sent up by the USNA. Sat is a 5-inch cube that will be transmitting on 145.825 +- for Doppler shift. Right now x.25 packet will be a sat for the APRS system. Its new name will be NO60. Starting next Tuesday, it will be running on PSK on 28.132 and downlink on 145.825. FENCE experiment. See Tom if you want more information, you can e-mail him as well.
NØNTX@amsat.org.

Mike KØTER, PPFMA: Two transmitter failures on 146.97 and the 450. We also lost the site at UCCS. Kit Haskins is going to repair the 0.265 machine and put it at the site for the 0.970 machine. They are looking for a site to put the 0.265. The only repeater running right now is the 448.450 and the packet digipeter.

Dave NØEOP: Intermod problems on 147.345 on IRLP the rest of the system is ok. 10/10. Ten meters is working pretty well on PSK. Openings for about ½ to 2 ½ hours. 28.120 time is around 12:30 to 18:00. Others are saying the band is open later in the evening.

Swapfest: CMRG still working on prizes

Jim ABØUK: ARRL RTTY contest last weekend. Jim had a great time on this contest. Can the PPRAA give a certificate or small prize to members who score 1st, 2nd or 3rd on sanctioned contests. Members will send in logs to someone who can judge and then award certificates. Possibly go certificates for each contest and then make a contester of the year. Also, Colorado has not held a QSO party since 2003. What are the possibilities of co-sponsoring a QSO party? Jim talked to Jeff Ryan and got a large email back from him and others. It has not been done for several years and is open for anyone who wants to run it. It must follow ARRL rules, which can be borrowed from others. You will need to make sure that enough people inside the state will work the contest to make it large enough for those outside the state to be able to make contacts inside the state. You will also need to make sure that you have prizes, plaques, etc. This is a large undertaking. Ken WØETT talked to Mike Stansbury about this at Hamcon. This will be something that would promote Amateur radio and the club. The idea is to have two clubs from different parts of the state work together. Mike WV7T and Jim ABØUK will be working on this.

Dan ACØCC: Thursday night net. We need additional NCS. Please talk to Dan if you can volunteer to help out with the net. We were going

to switch over to a repeater, but there were problems with the repeater and it was pulled off. We are going to stay on simplex.

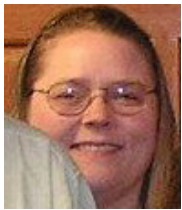
Homebrew was the program for this evening. Several members brought items that they had built to show to the group.

Next Meeting: 7 PM, Wednesday, Feb. 14, 2007

Next Board Meeting: 7 PM, Monday, Jan. 15th, 2007 at The Remodeler.

Submitted by:
Mike Allison KØMLA
PPRAA President

PPRAA BOARD MEETING MINUTES January 15, 2007



Attendees: Mike KØMLA, Susan KCØSYA, Jim ABØUK, Mike WV7T, Christopher NC6T, Dan ACØCC, Jackie ACØCA

President Mike KØMLA called the meeting to order at 7:08 PM at the home of Mike WV7T. The November Board Meeting minutes were approved as printed/corrected in the Zero Beat.

Reports

Treasurer's Report: Dan ACØCC Treasurer: Income of \$70.92 for December, Expenses (some ranging Nov. thru early Jan) \$844.94. Account Balances went from \$9,628.10 down to \$8,854.08. But there are some more outstanding checks to deposit as income later this month.

Vice President/Future Programs: No major updates yet to the website.

- ✚ Dec: Annual Christmas Party
- ✚ Jan: Home brew night
- ✚ Feb: open
- ✚ Mar: electrical safety

✚ Apr/May: possibly open, tentative speakers scheduled

✚ Jun: Field Day prep

Unfinished Business:

Megafest: Rob N7LV is heading the committee, event scheduled for June 9th. Rick KØSU will organize forums for the event. Raffle license application was submitted by Dan ACØCC. Susan KCØSYA will be raising door prizes again this year. Hope to have tickets ordered and printed to sell at the Feb. 11th Aurora Repeater Assoc swapfest in Brighton. \$200 maximum approved for raffle ticket printing. \$50 maximum approved for flyer printing. Christopher NC6T is handling the ticket and flyer printing orders. Main door prizes for the raffle (probably one HF rig, one mobile and one HT) will be approved for purchase at the February club meeting. Tables are already selling Contact Jim ABØUK to reserve them.

Field Day: Dan KBØPPM and Mike WV7T working on details, more to come later.

Thursday Night Simplex Net: Need more volunteers to help run the net and a request for more board members to check in on the net each Thursday night. Had planned to switch to the 146.625 repeater starting Jan. 4th but, due to technical difficulties with the repeater, were not able to switch and have stayed simplex so far. Mike KØMLA will check if 146.910 might be available thru GGARC to use.

New Business:

Awards/Certificates – Jim and Mike working on ideas for awards that could be presented to people for various activities/events, will present at next club meeting. Also working on details for a Colorado QSO Party.

Meeting Format – consensus at January club meeting was everyone like the new format where committee chairs make President aware ahead of time if they need time to speak on their committee issue to be placed on the agenda. The business portion of the meeting wrapped up more quickly than usual this way, leaving more time for the month's program and socializing afterwards.

Around the Table:

Brainstorming meeting: some items discussed: club needs well thought out concrete goals to be set, update on license classes offered, board members need to be more active in club activities, more encouragement to membership to participate, ideas of themes for meeting nights (i.e., Bring a Friend Night), possibility of planning a DXpedition for the club (maybe to the Sand Dunes), giving recognition for contact accomplishments and event participation, maybe adding a \$10 option to the membership application to order a name badge, plan more social activities like field trips and lunches, sending a welcome letter and Zero Beat to anyone in the area newly licensed, need someone to take over providing refreshments at club meetings, possibility of changing the color of the club logo.

Mike KØMLA: Wants to work with Doug on getting a forum going thru our website for membership to be able to more easily give input on club activities and share knowledge and information related to ham radio, etc.

Club Assets: Need to review all the club assets (equipment) and try to consolidate in one location if possible; make one list of everything.

Jackie ACØCA: Newsletter submission deadline is Jan. 25th. Per ARRL rules we cannot publish new ham's names in the Zero Beat without written permission from them. Jackie asked for board approval to write a check made out to the USPS for one year's worth of postage and mailing labels for \$322.17 total (will request another check for the difference later when postage rates increase in the spring). Voted and approved by board.

The meeting was adjourned at 8:23 PM.

Next PPRAA Board meeting: Feb. 19, 2007 at a location TBA.

Submitted by:

Susan Allison KCØSYA
PPRAA Secretary

Ø-BEAT DEADLINE

The deadline for the March 2007 Ø-Beat is February 25th.

Send all submissions to the editor via e-mail, US Mail, telephone or in person.

Please feel free to submit an article, joke or news – we need your fresh content!

Contact: Jackie Cornwell ACØCA

PH: 719-632-8254

Email: zerobeat@ppraa.org

USPS: 2406 W. Kiowa St. #1
Colo Spgs CO 80904

**Jess Miley
KØTAA**

719 W. 7th, Florence, CO 81226
Amateur & Hobby Radio Products.
We Trade.

Excellent Tech @ \$35 per hour
Commercial rates higher / 719-
784-3040

Please call before you drive.

**PPRAA PRESIDENT'S
CORNER**

I hope that everyone is enjoying the weather we have been having. It has been several years since I remember this much snow so early in the year. I truly hope that this is not a glimpse into the rest of this winter.

I wanted to take some time with this message to let everyone know some of the exciting things that are going on with the club. Some of these include the Swapfest, Colorado QSO party, the Thursday Night Net and field day.

The club has a Swapfest chairperson. Rob Roller N7LV has agreed to take on the coordination for the 2007 Swapfest. This is the one fund raising event that the club annually holds. It is also one of the best attended swapfests in the state. Lend a hand if you can. Rob won't turn any volunteers away.

On another note Jim, ABØUK is looking into the club co-sponsoring a Colorado QSO party. Colorado has not had a QSO party in several years and we are hoping to work with another group in the state to make this happen. Once Jim has determined if there is any interest with other groups he will post more information on the reflector and Zero-Beat.

The Thursday Night Net has been going on for a couple of years now. This net is an informal way to let the club know what is going on and to actually get some of us on the air, me included. The net is held every Thursday at 19:00 hours local time on 146.580 simplex and Dan ACØCC is the Net Manager. He is looking for stations willing to serve as net control, so please let Dan know if you would be interested in this.

The final event I want to talk about is Field Day. Mike WV7T and Dan KBØPPM are the co-chairs for this year's Field Day and are currently working on the arrangements. If you have a suggestion for Field Day, please let Mike or Dan know.

I want to remind people that if you haven't submitted your membership dues, please get them to Dan, ACØCC, or mail them in. That is about all that I can think of that is going on with the club so far this year.

On a sadder note, two local hams passed this month. The first was Doug Wilson WAØVSL who passed away on January 18th. I personally did not know Doug, but in looking through emails he was very active in PPARES and the local ham community. In the words of Mike Allen NØMIK, "Doug's active participation in ARES as well as his caring, friendly nature will be sorely missed."

Jody Borst KAØROZ passed away on January 23rd. While I have only known Jody through club meetings and activities, Susan and I will miss her. I remember her at Field Day in 2006 when she came up and brightened our day with her laugh and smile. Les Borst has requested that anyone wishing to do so, send donations in lieu of flowers to the Black Forest Fire Protection District.

Please keep the families of these two hams in your thoughts and prayers.

73 and I hope that everyone has a great month.

Mike Allison KØMLA
PPRAA President

PPRAA MEETING INFORMATION

The Pikes Peak Radio Amateur Association meets monthly at 7 PM on the 2nd Wednesday of each month at the El Paso County Health Department Auditorium, 305 S. Union Blvd, downstairs at the apex of the two buildings. For a map, please visit our web site at www.qsl.net/ppraa or contact any of the board members for more information.

NONPROFIT STATUS

The PPRAA is a federal 501(c)(3) nonprofit organization, and welcomes all contributions. Your contributions or donations may be tax-deductible.

MEMBERSHIP APPLICATION

All memberships are up for renewal at the end of the year. If you haven't renewed your membership yet, please use the form at the bottom of this page, and fill out all of the appropriate information so that the Membership Committee can update the records. Include your family so they can share the value and the fun. If you know someone interested in joining, make a copy for them or have them visit PPRAA on the web and download a copy of the PDF file at **www.qsl.net/ppraa/membership.html**.

Membership Application for the Pikes Peak Radio Amateur Association, Inc. P.O. Box 16521, Colorado Springs, CO 80935-6521					
Date: _____	<input type="checkbox"/> New Member	<input type="checkbox"/> Renewal	In which activities would you like to participate?		
Name: _____			Field Day	<input type="checkbox"/>	
Address: _____			Demonstrations	<input type="checkbox"/>	
			Nets or round tables	<input type="checkbox"/>	
City: _____ State: _____ Zip: _____			Organize activities	<input type="checkbox"/>	
			Teach ham classes	<input type="checkbox"/>	
Call: _____ Class: N T + G A E Phone: _____			Full Member	\$15:	<input type="checkbox"/>
Mbr of ARRL? <input type="checkbox"/> Yes <input type="checkbox"/> No E-mail: _____			Family Membership	\$18:	<input type="checkbox"/>
			Over 65	\$10:	<input type="checkbox"/>
Additional Family Members to Join/Renew:			Over 65 Family	\$12:	<input type="checkbox"/>
			Associate	\$12:	<input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? _____			<i>Ø-Beat</i> Only	\$12:	<input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? _____			Donation to Club:	\$_____	
Name: _____ Call: _____ Class: _____ ARRL? _____			Total Enclosed:	_____	
<u>MAKE ALL CHECKS PAYABLE TO "PPRAA"</u>					
Please indicate how you'd like your <i>Ø-Beat</i> delivered:					
(Defaults to standard hard copy in the event that NO check boxes are checked)		<input type="checkbox"/> Standard hardcopy via U.S. Mail			
		<input type="checkbox"/> As a PDF file attachment via e-mail, to help save a few bucks			
		<input type="checkbox"/> I'll save the club a few bucks and download it from the Web!			
Circle your interests ⇒ HF / V/UHF / FM / SSB / Digital / DX / Contests / Technical / Hardware / Other _____					
New and renewing members must submit a completed application form along with your check to the Treasurer. Please Type or Print Clearly!					

**Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, CO 80935-6521 USA**

First Class Mail

To: