



Volume 55, Number 12

December 2005

President's Message

The holiday shopping season has arrived, and so far I and my wallet have survived. I was one of the many early bird shoppers during "Black Friday" out early to get some good deals. Alas, I've got some new toys here but no new ham radio gear. The nearest match is my new digital trunking scanner, which can at least receive some of the amateur bands. I hope you are enduring the season well, and that some new radio gear is on your wish list!

Speaking of new radio gear, do you have some new or otherwise recently acquired equipment in your shack, or installed in your vehicle, or packed in a go-kit? Why don't you write up a short article about the equipment and how you are using it? I'm sure there are many other club members who would be interested in reading your article in the Ø-Beat! Don't worry about performing a technical evaluation of the gear like a professional publication's review might include (unless that is something you enjoy!), it would be more interesting to read about your practical observations and thoughts about the equipment. So, what do you say? The Ø-Beat is always accepting article submissions.

I attended the first Megafest 2006 planning meeting a few weeks ago. Rick KØSU, our Megafest chairperson organized a concise list of things that the Megafest committee needs to stay on top of to pull off a great swapfest again next year! Rick still has lots of room for additional volunteers in many areas. Please consider volunteering some of your time for this event. It takes the effort of many club members

to produce a successful Megafest. Contact Rick to find out where he can utilize your skills!

Since it is December, we'll be holding our monthly meeting in the form of the annual PPRAA Christmas Party. I promise the club business will be held to an absolute minimum so that we may spend the evening enjoying the great food and company of our club members and their families. Thanks to Su KCØPRN and her party volunteers for organizing the party this year. I look forward to seeing each of you there and sharing in some good cheer! Don't forget, you can renew your membership there as well.

Once again let me solicit your participation at January's club meeting, where we'll be featuring any- and everything homebrew from you and your fellow club members. This is one of my favorite meeting topics, since I find it very interesting to learn about the different approaches and ideas our own club members have about amateur radio. So let's all perform a shack inventory and uncover those homebrew or homebuilt gems just waiting for their chance to shine at a PPRAA meeting!

Jim ABØUK, Pat KCØMIR and Jim KØLOB, have been doing a stellar job with the PPRAA weekly simplex net. Jim (ABØUK) will be unable to continue to lead the net production and control duties soon, so he is searching for a replacement. This net is a valuable resource the club provides to all amateur radio operators in the area, informing them of local happenings, the ARRL audio news, and providing a low-

> > > page 3

Board of Directors

Pres. Christopher Taylor NC6T* nc6t@arri.net 260-8081
 VP Mike Allison KØMLA k0mla@arri.net 590-4812
 Sec. John Wishart KCØJFH* - jrwishart@msn.com 481-2439
 Treas. Jim Harris ABØUK - ab0uk@yahoo.com 641-8477
 ZB Ed. Dennis Major NØABC n0abc@arri.net 531-6774
 Dir/PP Rick Brown KØSU* k0su@adelphia.net 531-9423
 Dir. Mike Anderson WV7T* wv7t@arri.net 229-8610
 Dir. Suisei Goguen KCØPRN - cobweb@divide.net 481-8684
 Dir. Paul Moraine NØPWM - pmoraine@msn.com 638-0273

* In final year of 2-year term.

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 <http://www.qsl.net/ppraa/> or contact any of the board members for more information.

Amateur Radio License Exam Information

The Pikes Peak Radio Amateur Association Volunteer Examiner (VE) team holds testing sessions every other month, in even-numbered months. They're held on the 2nd Saturday of these months 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 for a list of what to bring, contact Erik Mugele KGØXE or Dennis Major NØABC, or visit the PPRAA web site.

PPRAA Simplex Net

Don't forget about the PPRAA Simplex Net on Thursday nights at 7 pm! Jim Harris ABØUK, Pat Kelly KCØMIR and Jim KØLOB have been doing a bang-up job in keeping the net going from week to week. Join everyone for a good time, find out the latest, test out your ability to copy other stations via simplex, and listen to the ARRL Audio News! The frequency is 146.58 MHz simplex and the backup frequency is 146.55 MHz.

PPRAA Is A Nonprofit 501(c)(3) Organization

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

Committee Chairs / Points Of Contact

Auditing	Open
Asset	Mike Stansberry KØTER
E-Mail Refl.	John Wishart KCØJFH kc0jfh@arri.net 481-2439
Field Day	Dan Scott KBØPPM
Swapfest	Rick Brown KØSU k0su@adelphia.net 531-9423
Historian	Ron Deutsch NKØP
Interference	Bill Petty NØNJX
Membership	Les Borst KCØNC
Programs	Mike Allison KØMLA k0mla@arri.net 590-4812
Publicity	Christopher Taylor NC6T nc6t@arri.net 260-8081
Public Service	Mike Stansberry KØTER
Tech. Ed.	Mike Anderson WV7T wv7t@arri.net 229-8610
VEC Liaison	Dennis Major NØABC n0abc@arri.net 531-6774
VE Contact	Erik Mugele KGØXE ve@teuton.org 278-4363
Webmaster	Doug Nielsen N7LEM n7lem@n7lem.net

AMSAT Coord.	Tom McDaniel NØNTX
ARRL Awards Mgr.	Rick Brown KØSU
ARES Emerg Coord	Dean Haskins KAØPII
ARES Liaison	Mike Stansberry KØTER
ARRL Section Mgr.	Jeff Ryan KØRM
CCARC Liaison	Dan Scott KBØPPM
HamCon Chairman	Jerry VerDuft ADØA
RACES Officer	Doc Cornell WØMCT

PPRAA Web Site and E-Mail Reflector

PPRAA web site is at <http://www.qsl.net/ppraa/>, which is maintained by Doug Nielsen, N7LEM. Thanks, Doug! Stay on top of new or short-fused developments by subscribing to our e-mail reflector: <http://mailman.qth.net/mailman/listinfo/ppraanet>. Thanks to John Wishart, KCØJFH for maintaining the reflector!

Upcoming Club Programs

December: PPRAA Christmas Party, Dec. 9th.

January: Home Brew Night

Deadline for Next Ø-Beat Articles

The deadline for the January 2006 Ø-Beat is January 1st. Send all submissions to the editor via e-mail, US Mail, telephone or in person.

Please feel free to submit an article – we're always looking for fresh content!

[President's Message – from page 1](#)

stress social environment to meet other hams. If you'd like to gain some experience as a net control operator in a casual atmosphere, this could be an ideal opportunity. Please contact Jim for the details, and I hope to hear you on the net soon! As a reminder, the net is held every Thursday evening at 7:00 p.m. on 146.58 MHz.

Stay safe, stay warm, and stay radio active this winter season!

73,
Christopher NC6T

[Club Meeting Minutes](#)

PPRAA
Club Meeting Minutes
9 Nov 2005

President Christopher Taylor NC6T called the meeting to order at 7:00 pm at the El Paso County Health Department Auditorium followed by introductions around the room.

Silent Keys: none

Mike WV7T/Paul NØPWM moved/seconded that the minutes be approved as printed in the Ø Beat. Passed.

Treasurer's Report – Jim ABØUK reported \$9059.00 currently deposited in our three accounts. We were finally able to determine the charge for the 2005 Hamfest activity (gym and table rental) at Lewis Palmer High School: \$1380. This has been paid.

Committee Reports

Assets – Mike KØTER and Rick KØSU will be conducting the asset inventory shortly.

Reflector – John KCØJFH – currently standing at 147 individuals on the e-mail list.

Field Day – Dan KBØPPM is requesting feedback on what your likes and dislikes were about Field Day 2005. The 2006 event will likely be at the Sourdough Valley site, north of Woodland Park again. He is trying to get stations going for some of the “non-traditional” modes of operation. He will also try to have more activities that are family-oriented.

JOTA – Dan KBØPPM is planning on 250-350 Scouts at the event, due to its being held in conjunction with a camporee. Date is the third full weekend in October 2006.

CCARC – Dan KBØPPM stated that the organization is looking for open frequencies for additional 2-meter repeaters in the state. Repeater surveys are in progress. Dan requested that, if you assisted in the hurricane relief efforts as a ham, to please register that on the ARRL website. CCARC will be publishing a new Colorado repeater map soon.

Swapfest – Rick KØSU indicated that the 2006 Swapfest will be held July 8 at Lewis Palmer High School. The initial planning meeting will be Saturday, 19 November 2005 at 0900 at The Remodeler, 3205 North Hancock.

Interference – Mike KØTER has had interference problems. He has traced them down to nearby power poles and is working with Colorado Springs Utilities to try to resolve the problem.

Programs – Mike KØMLA
December 9, 6 PM, Springs City Church – PPRAA Holiday Party, see PPRAA website for details.

January 11 – Homebrew Night – Bring in your hand-crafted ham radio gear only, no alcohol, please:>)

Tech Ed. – Mike WV7T has two students in his Technician class. Mike will have a Field Day site at his home. For the Sweepstakes contest, they will operate as a school. Mike is considering a General class. If interested,

contact him. Mike awarded trophies to several participants in his 2005 Field Day operation. The group placed first in their class.

VEC Liaison – Dennis NØABC. VE exam sessions are the second Saturday of the even months at Colorado Technical University.

Webmaster – Doug N7LEM. The Ø Beat is now available for download on our website. He will send e-mail notification of publication to the reflector for future issues.

AMSAT - Tom NØNTX announced the projected deployment of SuitSat, the most unusual amateur radio satellite ever orbited, from the ISS in the near future. If you wish to receive signals from this satellite, keep an eye on the www.amsat.org website for the launch time. Amateur radio equipment will be installed inside a surplus Russian spacesuit. It will become an independently orbiting satellite once it is hand-deployed by the crew of the ISS during an extravehicular activity, tentatively planned for late January or early February 2006. Running only on internal batteries within the spacesuit, SuitSat will have a limited, but interesting lifetime beaming down special messages and an SSTV image as it floats in space. It is expected to remain in orbit up to 6 weeks after being deployed.

ARRL Awards – Rick KØSU checked a set of QSL cards for a VUCC award on 10GHz.

ARES Liaison – Mike KØTER reported on his participation in an emergency exercise involving USAF Academy and Woodland Park locations.

Hamcon 2006 – Steve Williams KØSRW. June 9-11, 2006 in Estes Park, CO. Early registration is only \$10.

Simplex Net – Jim ABØUK - The Net is held on Thursday evenings at 7 PM, 146.58 MHz. Jim will be leaving the position at end of December, so a replacement volunteer is needed.

New Business

Dennis NØABC/Mike KØTER moved/seconded to change the bylaws to say that the membership roster be published in the Ø Beat (removing the reference to frequency of publication – currently 2 times/yr). Passed.

Foxhunts - Mike KØMLA would like to increase the number of participants in the foxhunts. He suggested that an instructional program on the subject would be helpful.

Holiday Party – Su KCØPRN needs four volunteers to obtain and cook two turkeys and two hams (the pork variety). They will be reimbursed for the costs. She also needs volunteers to:

- Obtain the key to the church for the event

- Assist with setup and cleanup

- Obtain/distribute door prizes

- Assist with music setup

Contact Su if you can help. The event will be held Friday, December 9, 6 PM at the Springs City Church. See our website for further details.

Award Plaque – Christopher NC6T noted that a very nice laser-engraved plaque had been procured to honor Kate WB9BAH for her service to our club. A card is available to sign.

Board Meeting – Monday night following the club meeting at 7 PM at The Remodeler on N. Hancock, N of Fillmore.

Membership Cards - Jim ABØUK has provided membership cards for several new members.

After the break and door prize drawings, Bob Witte KØNR, ARRL Colorado Section Technical Coordinator presented a program on Amateur Radio Test Gear, followed by HT testing.

The meeting was adjourned at 9:05 PM.

Next meeting: Christmas Party, see separate

item in this edition of Ø-Beat

Submitted by John Wishart KCØJFH, Secretary.
Date: 2 December 2005

Board Meeting Minutes

PPRAA
Board Meeting Minutes
14 November 2005

President Christopher Taylor NC6T called the meeting to order at 7 PM at The Remodeler conference room, 3205 N. Hancock Ave. in Colorado Springs, CO.

Attendees: Christopher NC6T, Jim ABØUK, Rob N7LV, John KCØJFH, Jim ABØUK, Paul NØPWM, Mike KØMLA, Mike WV7T, and Rhoda KB2BZY

It was moved and seconded to accept the October board meeting minutes as printed in the Ø Beat. Passed.

Treasurer's Report:

Jim ABØUK reported that a projector had been purchased at a cost of \$1375. He also presented a preliminary budget to the board for review.

Club Banner

Pat KCØMIR got a quote from FastSigns for various sizes of banners. Costs ranged from \$82.50 to \$225. We need to determine the location of our existing club banner. We will review this at our next meeting.

Hamcon 2006

We will get a free table at this event. We will need some volunteers for the event in the areas of planning and staffing.

Programs

Mike KØMLA outlined upcoming programs:

December – Holiday Party
January – Homebrew Night
February – ARES DRT Lessons
March – Practical Foxhunting

April – Electrical Safety Demo
May – open
June – Field Day Prep

Committee Vacancies

We still need a volunteer to fill the Auditing Committee chair.

Bylaws Review

We need to make a change to the bylaws regarding the frequency of publication of the club roster in the Ø Beat. The club voted to eliminate the reference to the frequency of publication at the November club meeting.

Inventory Storage

Our club equipment is currently in three locations (Mike Stansberry's, Sid White's, and Rob Roller's homes.) A suggestion was made to investigate rental of a storage unit to store the inventory in.

Mike KØMLA requested that we have individual copies of the agenda available at future board meetings.

Mike WV7T indicated that Tom W2TJO will be donating a Gap HF antenna to the club (about a \$200 value). He also noted that he is still considering holding a General license exam training class.

Rob Roller N7LV provided some background data on the costs of publishing and mailing the Ø Beat newsletter for our members. He also noted that he still has Ø Beat CD's available for purchase.

Jim ABØUK noted that some of the comments on our website about the Ø Beat newsletter need some updating. He also expressed a desire to increase participation at foxhunts.

The next PPRAA board meeting is Monday, January 16, 7 PM, at The Remodeler, 3205 N. Hancock.

Christopher adjourned the meeting at 8:02 PM.

Submitted by John Wishart KCØJFH, Secretary.
Date: 2 December 2005

Hal Bergeson, WØMXV - SK

COLORADO SPRINGS, CO. - Philip Hal Bergeson, 64, was born August 23, 1941, in Lewiston, Utah, the oldest child of Philip E. and Faye L. Bergeson. He passed away Monday, November 14, 2005, in Colorado Springs, Colorado, of colon cancer.

Hal attended school in Lewiston and graduated from North Cache High School in Richmond, Utah. He graduated from Utah State University with a degree in Secondary Education and taught school in Lyman, Wyoming, for four years. In 1968-69 Hal received a Masters Degree and then an Education Specialist Degree from Indiana University in Bloomington, Indiana. Hal was Assistant Professor of Education at the University of Maine at Portland-Gorham and also Assistant Professor of Audiovisual Education at the University of Alberta, Edmonton, Canada for three summers. He worked for a short time as a medical photographer at the University of Illinois Medical Center in Chicago. Finally settling in Colorado Springs, Hal was a Professor of Speech and Photography at Pikes Peak Community College. While on sabbatical from Pikes Peak, he earned a Ph.D in Communications from Ohio University. In May 2003, Hal retired from Pikes Peak after 29 years of service.

Hal was a member of The Church of Jesus Christ of Latter-day Saints. He mastered Morse Code before becoming a scout. While participating in Scouting, which he loved, he attended the National Scout Jamboree in Valley Forge.

He became a ham radio operator, a life-long hobby, and delighted in talking to people all

over the world. He was a rock hound, panned for gold, a history buff who loved the outdoors, loved to hunt and fish, a voracious reader, a master storyteller and photographer, and a collector of many things.

Special thanks to Hal's many friends in Colorado Springs who gave such tireless service during his illness.

Survivors include his parents of Pleasant View, Utah; brothers and sisters and spouses: Joe and Patty Bergeson, Orem; Ron and Kathy Rash, Layton; Paul and Elaine Pitcher, Pleasant View; Evan and Linn Bergeson, Bountiful; 17 nieces and nephews; and friends everywhere.

In lieu of flowers please make donations to the Trapper Trails Council of the Boy Scouts of America in Hal's name.

El Paso County RACES Activities



<http://www.qsl.net/epraces/>

No report given

Pikes Peak ARES



<http://www.ppares.org/>

Dean, KAØPII, following the November exercise with the USAF, received the following letter:

21 SW/IG
775 Loring Ave, Peterson AFB CO 80916-1290
Pikes Peak Amateur Emergency Service

Attention: Dean Haskins
Woodland Park, CO 80863

Dear Mr. Haskins

On behalf of the 21st Space Wing Exercise Branch and the Exercise Evaluation Team Chief, please express my personal thanks to The Pikes Peak Amateur Emergency Service (ARES) team who worked with us during Exercise CONDOR CREST 06-01. Their communications capability and support of our annual off-base exercise was simply "Outstanding". Their knowledge and professionalism made this key exercise one of our most realistic exercises of the year. Their efforts have significantly improved our understanding of communications in the field and our responsibilities within the Wing. Your involvement in this exercise expanded our understanding of ARES and has since enhanced and improved our responder training.

Please pass on our thanks to the Exercise CONDOR CREST 06-01 crew for sharing their insight, vast experience and expertise.

Sincerely

Edward G. Knowles
Colonel, USAF
Inspector General

Upcoming Amateur Radio Events

Dec. 9 - PPRAA Christmas Party – Springs City Church.

December ?? or January ?? – The November Fox Hunt?! Maybe the Winter Fox Hunt?

PPRAA WINTER HOLIDAY PARTY

Friday December 9th at 6:00 pm
Springs City Church
1250 Vondelpark Dr
Colorado Springs

We look forward to seeing you at the church on Friday evening - families are welcome.

We will be collecting canned goods for one of the area food banks and for every can you donate we will issue an extra ticket to you for the door prize drawing.

If you are willing to buy (the club will reimburse you) and cook a turkey or ham please contact Su KCØPRN at cobweb@divide.net (481-8684). THANKS!

We are requesting that members with call sign suffixes A - P bring side dishes and folks with call signs suffixes Q - Z bring desserts.

Hot chocolate and spiced cider along with coffee and tea will be provided.

Please note that Jim AB0UK will be accepting membership renewals so if you haven't renewed already this is the ideal opportunity!

Membership Report

As Les mentioned at the last meeting, since the switch to having all membership renewals become due at the beginning of the year, there are very few changes to the membership during the course of the year. Also for the same reasoning, we wish to make a minor adjustment to the bylaws.

Jess Miley

KØTAA

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Please call before you drive.

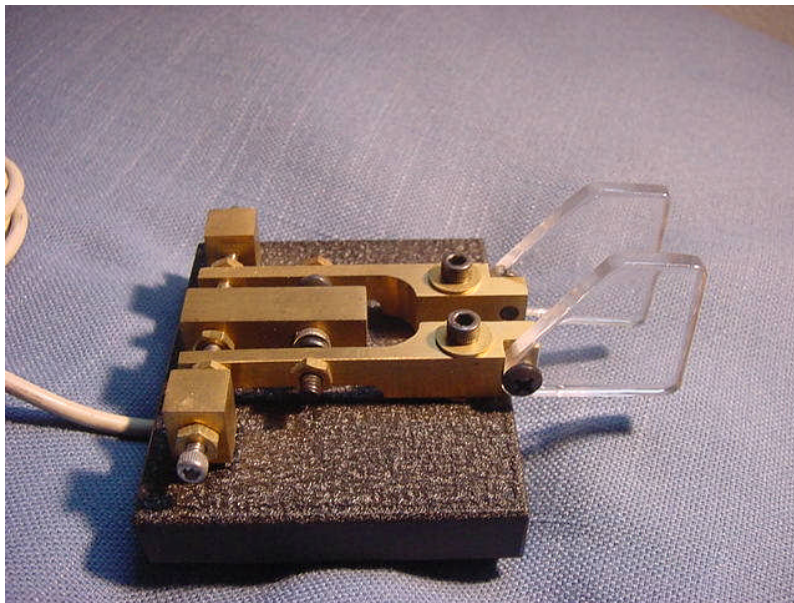
Pour Me a Draught of that Home Brew!

HOME BREW
Rick Brown KØSU

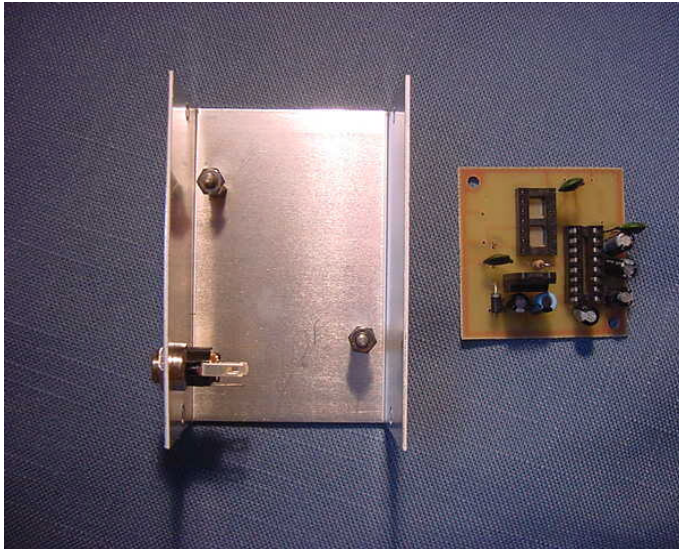
Just what is Home Brew anyway? Well, for starters it is not something you drink! In the world of Ham Radio, Home Brew is a piece of equipment you have made. This can include anything from a two-meter dipole to a kilowatt linear. While the traditional definition is something you have made from scratch, we often include some kits in this category of home brew. There are not many folks around these days that can design and build a high-end piece of equipment, but there are many of us that manage to put together what I call a "bag of parts" kit.

I hope that you all build something for your station. Home Brew is part of the tradition of Ham Radio that I really enjoy. It doesn't all have to be "electronic" either. There are some mechanical aspects of our hobby that are just as important as the others. I am going to include a couple of photographs of things I have made over the last few years just to give you an idea of what I mean about Home Brew.

Here is one of the partial kit kind of things I certainly consider to be Home Brew. This set of keyer paddles was just a bag of metal parts and the basic instructions on putting it together. I put a lot of elbow grease into this one.



Of course if you saw my workbench you would realize I always have some sort of project in the works. Here is another one that kind of fits into the bag of parts type of kit except I don't think it included anything other than the circuit board. As you can tell, it is still in the works. Hopefully I will get it done and you can see it on Home Brew night.



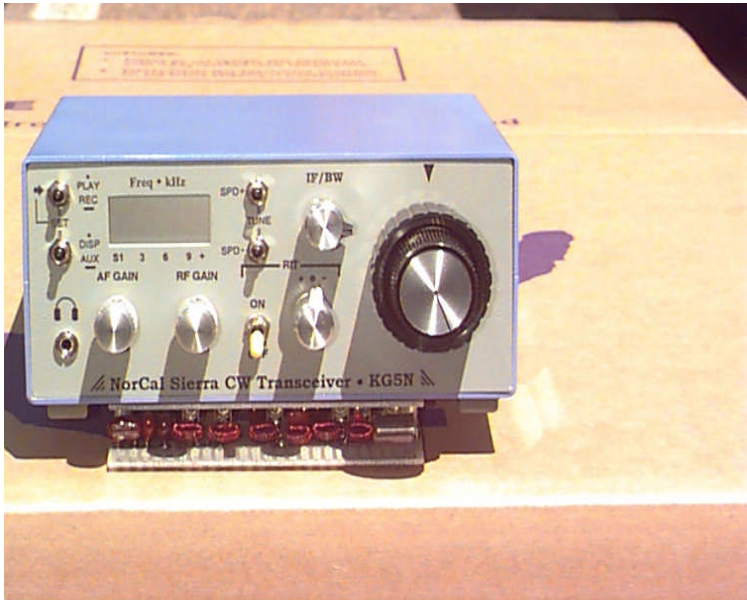
Surprisingly, not everything being built these days is solid state. Here is a 30-meter transmitter built by Jim, K1TMJ. It helps to keep the shack warm on those cold nights in Maine! Yes, it really works and sounds good. I have worked him on it and it has an excellent signal.

(editor's note – This picture seems to have fallen out of the document and into the "bit-bucket". Perhaps we can locate the picture and place it on the web.)

Now antennas are one of my favorite things to build. We can almost always build antennas as good as the ones we purchase. And we can certainly build something to improve on that rubber duck. Okay, so you probably can't build a three-element forty-meter beam from scratch but try something that will fit in your back yard and see if you can help out your signal on the club simplex net. Here is one of my favorites, and Doc, WØMCT will tell you that you should have one in your "go" kit anyway! This is the infamous two-meter coax dipole. Strip back 19 inches of the braid and hang it up anywhere. Sure is better than a rubber duck. I turned the picture sideways so it would fit in here! Don't be confused.



We do have some folks locally who are master Home Brewers. Here is a QRP radio built by Nick, KG5N. The LCD display is the only part of this radio that could be considered a kit. Nick built everything else himself, even the circuit boards. Quite an accomplishment!



I hope to see lots of Home Brew items in January at the club meeting. I know there are people in the club who build things. Bring them out and show them off.

Whatever Happened to that November Fox Hunt?

Hello Fox Hunters.

The weather this weekend is shaping up to be cold again. Saturday will be overcast with a 31% possibility of snow with a high of only 34 and south winds 12 - 15 kts. Sunday will be drier with broken clouds, 15 kt winds, and a high of 27. Brrrr...

This is too cold for a fox hunt. Will try again next weekend (Dec. 10-11). If the weather does not improve, this fox hunt may not go until the first of the year!

Dave NØUVR

Some levity

Q: How do you greet a ham radio operator?

A. With a short wave.

After an antenna-raising party, Ham 1 says to Ham 2, "Hey, we're all done. Why are you still on the roof?"

Ham 2 replied, "Well, Joe said that after we got his antenna up, the drinks would be on the house."

"You know, somebody actually complimented me on my driving today. They left a little note on the windscreen. It said, 'Parking Fine.' So that was nice."

How is it that we put man on the moon before we figured out it would be a good idea to put wheels on bigger suitcases?

What is the speed of darkness?

IMPORTANT REMINDER

It's now December. All memberships are up for renewal at the end of the year. 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. The Treasurer is planning to accept renewals at the Holiday Party, or you can send the application and check off in an envelope to the club's address, listed on the application.

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"/>
City: _____ State: _____ Zip: _____			Nets or round tables <input type="checkbox"/>
Call: _____ Class: N T + G A E Phone: _____			Organize activities <input type="checkbox"/>
Mbr of ARRL? <input type="checkbox"/> Yes <input type="checkbox"/> No E-mail: _____			Teach ham classes <input type="checkbox"/>
Additional Family Members to Join/Renew:			Full Member \$15: <input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? <input type="checkbox"/>			Family Membership \$18: <input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? <input type="checkbox"/>			Over 65 \$10: <input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? <input type="checkbox"/>			Over 65 Family \$12: <input type="checkbox"/>
			Associate \$12: <input type="checkbox"/>
			Ø-Beat Only \$12: <input type="checkbox"/>
			Donation to Club: \$ _____
			Total Enclosed: _____
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Circle your interests <input type="checkbox"/> HF / <input type="checkbox"/> V/UHF / <input type="checkbox"/> FM / <input type="checkbox"/> SSB / <input type="checkbox"/> Digital / <input type="checkbox"/> DX / <input type="checkbox"/> Contests / <input type="checkbox"/> Technical / <input type="checkbox"/> Hardware / <input type="checkbox"/> Other _____			
New and renewing members must submit a completed application form along with your check to the Treasurer.			
Please Type or Print Clearly!			

ALL NEW MEMBERSHIPS AND RENEWALS WILL BE PRORATED TO EXPIRE IN DECEMBER!!

SEASON'S GREETINGS!

73

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

First Class Mail

To: