



AMATEUR RADIO SERVING THE PUBLIC

# CMRA Newsletter

P.O. Box 283 Columbia, MO 65205

January 1990

**President** George Hessenbruch III, NØIMS  
**Vice-President** Doug Turner, NØIKD  
**Recording Secretary** Dale Huffington, AEØS  
**Treasurer** Earl Felten, KAØIBS  
**Corresponding Secretary** Jesse Bowen, WMØY  
**Board Member-at-Large** Charlie Turner, WAØR

**WDØDVG**  
**Repeater**  
**146.16/.76**  
 Antenna atop  
 Paquin Towers  
 at 1023 ft. ASL

## Meeting Minutes

The December meeting was our traditional Holiday celebration held this year at the Golden Corral restaurant. There was a good turnout, with over 40 members and guests attending. In addition to dinner and the company of family and friends, members were treated by Mac McKenzie, K4CHS, to a reading of the "The Ham's Night before Christmas." This poem was the amateur radio version of "Twas the night before Christmas...", and despite the obscure references to "vacuum tubes", "relays", and "glowing equipment", it was thoroughly enjoyed by all!

**Callbooks** Earl Felten, KFØGE, reports that the callbooks ordered in the fall are here for those who requested them. He will have them at the January meeting. The U.S. callbooks are \$22 and the international callbooks are \$24.

**Magnetic signs** There are still a few of the imprinted magnetic signs available. There are four of the large signs left at \$12 each. These signs are 19 X 8" and fully magnetic. They say "Amateur Radio Communications" in 1 1/2" letters, and have 4" CMRA and ARES logos. They also have room for further personalization with your call sign using vinyl adhesive letters. There are also two of the small orange magnetic signs available for \$6.75. Contact Jesse, WMØY.

**New call** Bill Turner, ex-KBØATZ, is now NØLIH.

## Updated Roster Out

A new, updated roster is now available and can be picked up at the club meetings. If you would like a copy of the roster before you can make it to a meeting, contact Jesse, WMØY, or send an SASE.

If you find errors or omissions in the roster, please contact the Corresponding Secretary or the Treasurer as soon as possible.

## 1990 Club Dues

Club dues for 1990 will be \$15 for individual members or \$20 for family memberships at one address. Dues are payable at a club meeting or through the mail to the club Post Office box. Make out checks to "Central Missouri Radio Association."

## Happy New Year!

*Best New Year wishes to all members and their families—may your year be prosperous and enjoyable, and full of time for Hamming; may your DX be long and rapidly QSLed; may your Ragchewing be prolonged and tasty; and may your Weather Net participation all be for practice!*

## Editor's Note

This is the last of this year's Newsletters I will edit and I would like to thank several people for their help. Articles and material were submitted during the year by NUØT, WBØTEG, NDØN, NØIMS, AAØB, and NØLCW. Copies of the club meeting minutes were supplied by AEØS, who along with NØJZC also helped with newsletter reproduction. Finally, thanks to NØIMS, NØIKD, AEØS, KFØGE, and WBØTEG for helping at various times with Newsletter folding and addressing.

I hope club members will offer the same kind of support to the new editor of the newsletter. In particular, keep an eye out for interesting or informative material you come across on the air or in other publications. Report items of general interest to the editor, such as news of club member involvement in public service

events, emergency situations, or club activities. Also tell the Corresponding Secretary about changes in call sign, address, or phone number. -WMØY

## Electrical Tape Notes

The following information describing the characteristics of Scotch electrical tape was gleaned from a 3M catalog obtained courtesy of Tony, KAØUBI.

Resistance  
(1 to 5)

Type	Thickness	Heat	Cold	Water	Volts
33+	7 mil	4	2	4	>600
88	8.5 mil	2	4	1	<600
70	12 mil	5	?	?	15 kV

As you can see, type 33+ is a good choice for outdoor use because of the water resistance, although it does tend to get stiff when cold. This tape is available at hardware stores. Type 70 is a self-fusing silicone rubber tape that may have possibilities for amateur use; it is available at electrical specialty stores. -NUØT

## January Meeting

The next club meeting will be held January 9 at 7:00 pm in the Community Meeting Room of the Boone Electric Cooperative, 1413 Rangeline Rd. Club officers for 1990 will be elected. A slate of officers will be submitted by the Nominating Committee and nominations from the floor are welcome.

**The CMRA Newsletter is published monthly by the Central Missouri Radio Association. To be included on the mailing list or to submit informational, editorial, or technical articles, contact Jesse Bowen, WMØY, 1915 Blue Ridge, Columbia, MO 65202 (474-7674). Equipment ads by individuals can be included on a space-available basis.**

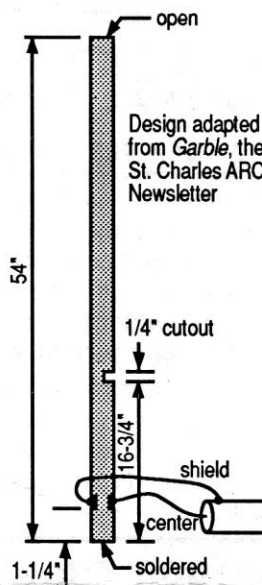
## Portable 2 Meter Antenna

The accompanying figure shows a simple, cheap, portable, and compact 2 meter antenna that might be a good alternative to a rubber duck for public service or emergency use. It consists of a J-pole antenna made of 300 ohm twin lead. The dimensions are for the center of the band and the design is reported to be broadbanded. The antenna should accept 25 watts and it could be constructed for outdoor use by enclosing it in 1/2" PVC. Otherwise, it could be fastened with string to an overhead support or to a fiberglass wand of the appropriate dimensions.

### Instructions:

1. Start with 54-1/2" good quality TV 300 ohm twin lead.
2. Strip 1/2" of insulation from bottom

and solder.  
 3. Measure 1-1/4" from bottom and strip insulation from each wire to attach 50 ohm coax (center to the short side).  
 4. Measure 16-3/4" from the bottom and cut out 1/4" to make the short side and tune the antenna.



## CMEN Report

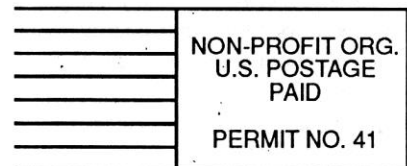
For the month of December, CMEN held 4 practice sessions. The Central Missouri Emergency Net meets for practice and to handle traffic each Wed. at 9 pm on 146.16/.76. Net manager is Ben Smith, KØPCK. All hams are welcome.

## VEC Exams

The CMRA will offer ARRL/VEC exams for all written and code elements following the January club meeting at the Boone Electric Coop. Because of the recent changes in FCC rules and regulations, some study materials may need to be supplemented by updated manuals. For more information on VEC exams, contact John, NDØN, at 657-2391.

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