



AMATEUR RADIO SERVING THE PUBLIC

CMRA Newsletter

P.O. Box 283 Columbia, MO 65205

March 1989

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Recording Secretary Dale Huffington, AEØS

Member-at-Large Charlie Turner, WAØR

Meeting Minutes

The Feb. meeting featured several updates (including one on the new repeater location), a showing of the ARRL videotape *The New World of Amateur Radio*, and initiation of the Novice class. The meeting was held at the club station and 31 people attended.

Dues Committee Ann, WBØTEG, reported that information is being gathered from other clubs about current dues to aid in the evaluation of CMRA dues.

Newsletter The mailing list for the Newsletter was discussed and it was generally agreed that a bulk mailing to area hams would be continued for at least several months. If anyone is aware of area hams who are not receiving the Newsletter, please contact Jesse, WMØY, with the information.

Repeater Site Don, NUØT, confirmed the final purchase of the antenna tower on top of Paquin Towers and its immediate transfer to the city. The grant proposal for reimbursement of the tower purchase is still pending but approval looks promising. The technical committee is working on the move of the 76 repeater and antenna to its new location. Work will proceed over the next several weeks as weather permits.

The ATV repeater will be in the same location, and is expected to have about a 30 mile radius coverage area. It will be in service during severe weather and can be accessed by any ham with the necessary 440 MHz ATV equipment and 220 MHz capability for the control link.

New Members The membership applications listed in last month's newsletter were all accepted by unanimous vote.

Membership applications were received at the meeting from Donald C. Barnhart, WBØZFE, and Jesse Barnhart, both of Columbia. These applications will be voted on at the March meeting.

Bird Wattmeter John, NDØN, brought up for consideration a used Bird wattmeter that is being offered for sale. It needs extensive refurbishing, so it was decided that the club would purchase the wattmeter if the combined total of the purchase price and factory refurbishing will not exceed \$100, about half the new price. John will report next month.

Novice Class Those interested in the Novice class met after the meeting for an orientation. Those present decided on Thursday evenings at 7:00 for the meetings. Eleven people are enrolled in the class.

CIVEX 89 Civil Defense Exercise

On Tuesday, Jan. 31 the local portion of the national CIVEX 89 exercise was held. Sponsored by the Federal Emergency Management Agency (FEMA) and the State Emergency Management Agency (SEMA), it was based on a scenario of a simulated pre-nuclear attack period. Participation was required for Federal civil defense funds to be received. It consisted of a gathering of all city and county officials in the "situation room" (the same room where we have had some meetings in the past). Participants were seated at tables with signs indicating their area of responsibility and individual telephones for each table. RACES played a key and highly visible role, passing and receiving traffic from SEMA via the 147.00 repeater. It is clear that, during an actual emergency of this magnitude, two or three RACES operators would be needed: one

to operate, one to monitor and do clerical work at the console, and one to serve as runner and message carrier. NUØT and WBØTEG participated; Emergency Coordinator NØIMS was unavailable because of knee surgery.

-NUØT

March Meeting

The March club meeting will include the annual Weatherspotter training program conducted by the National Weather service. Weather Service personnel will describe how to recognize severe weather that could lead to tornados and how to report your observations. **The March meeting will be held at the Weather Service building at Columbia Regional Airport on Tuesday, Mar. 14, at 7:00 pm.** The Weather Service building is just north of the terminal building. Tours of the Weather Service facilities and the RACES station will also be conducted. George, NØIMS, adds that the information will be useful for all area residents, so you should bring along spouses and friends who might be interested.

There will be a short business meeting before the program. Among items to be discussed is the budget for the **Columbia Hamfest, to be held June 10.**

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. Equipment ads by individuals can be included on a space-available basis.

Repeater Antenna

VHF signals are basically line-of-sight, though subject to skip and ducting phenomena depending on propagation. Generally, the coverage area of omnidirectional VHF antennas is highly dependent on antenna height. By moving the WDØDVG 76 repeater to Paquin Towers, we are gaining about 180 feet in altitude. This should markedly increase the range of the repeater, but will also increase the probability of interference from other nearby 76 transmitters. The following table gives approximations of some local antenna and landmark heights for comparison. All heights are total Altitude above Sea Level (ASL) in feet, including ground elevation, building, and tower.

Taum Sauk Mtn. (Mo. high pt.)	1772
KOMU-TV	1639
Paquin Towers	1023
National Weather Service	935
Tiger Hotel	910
K4CHS(01/61)	900
Joint Comm. Center white tower	860
VA Hospital	843
Club station	825
Joint Comm. Center roof	783
St. Francis River (Mo. low pt.)	230

For those not on packet, but with access to a computer and modem, the **WØZLN BBS** is available at 882-4225 from 5 pm to 7:30 am daily. Use 8 bits, no parity, 1 stop bit, 1200 or 300 baud.

Central Missouri Emergency Net

CMEN meets at **9 pm every Wed.** on the 76 repeater; all are welcome. Feb. net report: 4 sessions, QNI 59, QTC 1.

Equipment Notices

Yaesu HF Transceiver FT 901 DM, 160-10M, with desk mic and wattmeter, contact George, NØIMS

Crystals Wanted Roger, NØJZC, needs local repeater frequency crystals for his TR22-C.

Collins S-line station, including 75S-3B rcvr, 32S-3 xmtr, and power supply, contact John, NDØN

Ten Tec HF Transceiver Omni C, with VFO, filters, & PS. John, NDØN

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