

Next Meeting

The next meeting will be Friday May 7, 1982, 7:30, at the usual REA building in Marion. Please plan to attend and support the upcoming EIDXA National Convention programs. Bring a personal QSL to the meeting for the convention booth display.

The meeting program will include a demonstration of the use of the Apple II Computer in ham radio. This program will be presented by Joe Finkstein WØMJN, and Bob Hill W4NIM with the following Demonstrations planned: Computerized RTTY, Computerized CW, Computer Control of the Collins KWM-380, Logging, and Contest Dupe Search. WØMJN has some other computer programs coming which will be included if received by May 7th. These include: DXCC Checklist, Sweepstakes Logging with Dupe Search, WAS Checklist, and Test your DXCC IQ. If you haven't yet seen how the computer can be used in the ham-shack, you should find this program enjoyable.

Station Pictures

Station pictures of club members are being included as part of the convention EIDXA booth display. KØJSY is personally taking pictures of all Cedar Rapids/Marion members. Those of you outside the area need to furnish Keith with color negatives (no slides please) of your antennas and equipment/operator.

Results of ARRL DX 1982

CW		PHONE	
WØWP	899,712	KBØPR	581,640
N4RR	731,808	KØJSY	580,737
KØLUZ	708,000	KØLUZ	471,744
KDØQ	443,475	WØWP	250,388
KCØQ	95,157 (qrp)	KBØV	216,645
WØIZ	83,490 (qrp)	WØSR	66,960
KMØQ	74,925	KØVM	59,541
WØMJN	25,728	WØPPF	54,540
AKØM	19,170	WØMJN	39,798
WØSR	13,200	NØBGI	36,600

If anyone else has scores to add to club aggregate please forward to KØLUZ.

Club Dues

The records show that the following are paid for 1981-1982.

If yours is not listed, please forward \$4.00 to KØLUZ.


W4NIM, N4RR, NØAFL, KØAL, WDØAWL, NØBGI, KJØD, KØCF, WØEAN, WDØEIF,
WØEJ, KKØR, ADØF, KBØFP, NØGA, KØGT, KØGVB, KJØI, KØINR, KØJSY, KØLUZ,
WØFO, AKØM, WØMJN, KØMM, WØPPF, KBØPR, KCØQ, KDØQ, WØRU, WØSML, WØSR,
KBØSY, WBØUFL, WØUZ, KBØV, KØVM, WØVX, WØWP, KFØZ, N9BD, KKØU, KBØCE,
KJØI, AGØZ, KMØQ.

Two members have upgraded from associate to full EIDXA membership.
Congratulations to Joe, N9BD and Bob, KKØR.

Want List

Issue #8 is included with this letter for those participating.
Total participants is now up to 24. If your interested in joining,
contact N4RR.

73, es cu at the meeting

 Roger N4RR

EIDXA REPEATER COMMITTEE REPORT

Well now that spring has finally arrived, work is underway to fix the problems which plagued our repeater during the winter months. Almost all of the problems this winter occurred at the transmitter site, and most were problems in the VHF antenna system. One major failure occurred when the 75 ohm to 50 ohm network which matches the hardline to the RG-213 coax on top of the tower filled with water, froze, and broke components in the network. This made the antenna unusable for several sub-zero weeks, during which time the repeater was transmitting on W4NIM's 40 meter dipole. Although coverage during that time was very restricted, the repeater was usable in the Cedar Rapids-Marion area. When the weather warmed up (to just above 0°) Bob - W4NIM, climbed the tower and replaced the matching network; but the VSWR was still quite high. We tried using the 125 watt PA for several weeks, but it just could not tolerate the high VSWR. On one occasion a capacitor in the PA failed, and on another occasion the PA began transmitting broadband noise. As a result of the VSWR induced problems, the 125 watt PA was temporarily replaced by a 40 watt PA which was more tolerant to VSWR. When the weather began to warm up several weeks ago, N4RR climbed the tower at the transmit site and with W4NIM's help, repaired the coax between the hardline and the antenna. While on the tower, Roger drilled a new drain hole in the transmit antenna. What a surprise! The antenna drained water for over 5 minutes. With the antenna drained, and a new matching network at the transmitter built by KØVM and W4NIM, the 125 watt PA was put back on line and the system was back to normal operation until we experienced a power supply failure on Sunday April 4th. Al-KØVM replaced the power supply with a temporary smaller power supply which allowed the transmitter to operate at 25 watts. By the time this newsletter is published, the repeater power supply should be back on line and the repeater will be back to running 125 watts.

Considering the problems we had this winter, the repeater was never down for more than a day or two at any one time. This is due to the responsiveness of my co-committee members KØVM and W4NIM who worked on the technical problems as soon they occurred. The system got a good shake down this winter and performed quite well all factors considered. With some further repairs and modifications this summer, weather induced failures next winter should be eliminated.

