

Amateur Radio Club
at Kansas State University
WØQQQ

Minutes - April 13, 2012

On the morning of March 22, 2012, for the first time since 1997, our 50-foot Rohn tower was lowered, with the safety assurance of a crane.

In the hour prior to that, the Auxiliary Weapons Room (the research hut built on the roof in the 80s) was lifted off the roof with the aforementioned crane. (video) The AWR had to go because the door deteriorated and fell off its hinges. Pigeons moved in, and left their calling cards everywhere.

The Hy-Gain TH6DXX Super Thunderbird tri-band beam has been disassembled. The plastic spacers inside the traps need to be replaced, as well as the black plastic end caps.

The WØQQQ repeaters (444.175 MHz and 145.410 MHz) are off the air while the tower is down, as their dual-band antenna is on the tower.

The Yaesu G-800SDX rotor that was bought on March 14, 1997 has become erratic in its directional indications. Sometimes the direction indicator moves the better part of 360° after the antenna has stopped moving. There is rust around the bearings. The word is that it's not easy to get repair parts or service for this product. The consensus of club members is that we're probably going to need a new rotor, which can cost as much as \$1,000.

The club met at 10:30 a.m. today to discuss action on the antennas, tower and rotor, and vote on an initial round of expenses related to TH6DXX repair. \$150 was allocated by a majority vote for odds and ends of antenna parts.

We were amazed at the craftsmanship of Chris Casey, NØVRP, who created new trap spacers from a plastic kitchen cutting board, using a lathe, a hole saw and calipers, among other tools, to attain a perfect fit.

The subject of allocating funds for rotor replacement was tabled.

The meeting was adjourned at 11:47 a.m.

For the near future, members will meet in 401 Seaton Hall, on Friday mornings at 10:30 a.m.

David Yoder, KAØJPM
Secretary-Treasurer

Treasurer's Report, April 2012

K-State Credit Union Savings Account	\$ 2706.14
K-State Credit Union Checking Account	790.61
KSU Foundation Account	405.50
Petty Cash	154.00
(less key deposits)	– 190.00
Total Funds Available	\$ 3866.25

For historical purposes, here is a preliminary parts list for the TH6DXX, compiled by NØVRP:

QTY	PART #	HY-GAIN DESCRIPTION	MY DESCRIPTION	\$ EACH	\$ TOTAL
2	465833	ELEMENT INS, 1-1/4 IDX1-1/2 OD,TH2, #97 MAT:495200	driven center insulators	4.80	9.60
2	465600	INS. BLOCK BASE, 3/4, 14EXP, #9, MAT:490026	beta tube insulator top	1.53	3.06
2	465595	INS. BLOCK CLAMP, BK, 3/4, 14EXP, #9,RM:490026	beta tube insulator bottom	1.60	3.20
16	464723	TRAPCAP BK 7/8X1 5/8, #21, MAT:495200	trap cap	.75	12.00
1	871098	1-1/4 X 83 TUBING ASSY	R1 reflector element piece	32.32	32.32
0	878749	10M TRAP BEAM	10m traps which disintegrated	33.41	.00
1	873424	OSL, ASSEMBLY UNIT, BN86, RPL BY 879915-1	bn86 balun	25.02	25.02
TOTAL					\$ 85.20

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