

Minutes 02/2023

The meeting started precisely at 7PM with the pledge and introductions. Pres Derek TYG had a camera, mike, and audio mixer set up for those at home checking in through Zoom.

**Derek W0TYG, W0AF, N0BHB, Bob NE0CQ
Bill FJR, Chris FBL, Greg N0GR
Mark KF0GVT, Paul GXD, Clay KFOHEU
Rick KF0IQL, Jim W0JRN, Norm JYD
Joel KE0QGD, Rick RLR, Rich RWJ
Dan TDW, Dennis VJL, Greg KC0VTO
Wayne KN0WDJ, Suz WYL, Rich ZQG**

Paul GXD then gave us a program on the voter used on .82 detailing how it selects the best input, main Simms St. site or IWCC receiver.

Treasurer's Report

Greg N0GR reported a balance of \$7,250 which means we haven't yet spent the nearly \$5k authorization to put up an antenna for .225.

Repeater

Chris FBL reported an audio problem with .82 was a broken lug on a pot at the IWCC site. Access to the main Simms St site is difficult so we'll not do anything to .82 (like reprogram it) that might cause a problem requiring a visit. We are collecting equipment (backup repeater etc.) to put up a 'new' .82 at a new site (see recent Minutes for news of leaving Simms St site). We have dups (extras) for everything except the \$2k **TxRx brand** duplexer and \$1k antenna.



Discussing a new site for .82, Rick RLR asked if we could buy our own tower. Dan TDW said a site out by McClelland is available to buy for \$45k and a 200 ft guyed tower would be \$30k.

Note: That pic in col. 1 is our cans in yr 2002.

March Hamfest

Derek publicized the fest on a DMR net. We decided kids 12 and under get in free, and when Rich RWJ asked about food Joel QGD stepped up to say he has a large coffee maker.

Late Note: Joel QGD set up a 'free' kitchen with OJ, coffee, and donuts, collecting free will donations of over a hundred bucks for us.

New Business

Rick KA0RLR, this year's **Field Day** Chmn, says it will likely be at **Lake Manawa** again and he is contacting the state Ranger for permission.

Rick RLR is also doing a program on Emcomm next month (March). Jim W0JRN who is the ARES coordinator for Nebraska, and Greg KC0VTO, Douglas Co EC, will assist.

Meeting adjourned at 8:46 PM.

Minutes by Club Sec'y, Rich WA0ZQG

Program Review

Paul GXD had a power point slide show on the **LDG brand RVS-8** eight channel voter used on the .82 repeater located at the Simms St site. We of course use only 2 of the eight inputs.

Audio from both the main .22 receiver and remote site out at IWCC are compared for noise content (at frequencies above normal audio, say around 7 to 9 kc). After a suitable delay, a second or two, the channel with lower noise is selected. A certain amount of hysteresis prevents rapid back and forth switching in the case of 'picket fencing' from a mobile signal.

Paul also mentioned our 'cans' at the Simms site which allow separation of the 2 signals, .22 and .82 on the same piece of coax. (Very high Q tuned circuits – see pic at left.)

