



The next regular meeting of the Rochester VHF Group will be

Friday, May 9, 2008 at 7:30pm

**NOTE: New Location for rest of season !**

**Spencerport Wesleyan Church  
2653 Nichols St., Spencerport**

Map and directions in back

**Topics:**

**Elections**

**Microwave beacon plans and other summer projects!**

**--Andy Flowers K0SM**

## The Chairman Speaks! Andy Flowers, K0SM

Fellow Groupers,

Firstly, we have board elections at the next elections. The following positions are up for election this year:

Chairman	(K0SM outgoing)
Vice Chairman	(K2TER outgoing)
Even-year director	(WO2P outgoing)
Secretary-Treasurer	(N2KXS outgoing)

Secondly, the 1296 beacon is ready for service and awaiting installation. K2DH mentioned at the last meeting that we have most of the parts for 2304 MHz. There has been some discussion of using a multiplier scheme based on an 1152 MHz oscillator. Several people expressed an interest in having a GPS locked source for the ultimate in frequency stability. Would someone be willing to lead such a project? I know there are a couple of people who have built one of these in the past. I'm certainly willing to help in construction and procuring parts.

Since it's the last meeting of the year, it's a good time to be thinking of summer projects. If you are working on something, please bring it in and share what you are up to. I'll bring in some cool VHF+-related projects I've been involved in, with some hands on demonstrations.

See you there! -Andy

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## **Secretary Report**

### **Judy Stonehill, N2KXS**

#### **Rochester VHF Group Meeting Minutes for April 11, 2008**

The meeting, which was held at the Spencerport Wesleyan Church, was convened at 1937 local by the Chairman, K0SM.

Attendees introduced themselves with their names and calls. In attendance were K2DH, WO2P, K2MP, W2CNS, K2LDU, K2DB, K6PSP, W2DYY, N2MLH, NQ2O, WB2BYP, W2UAD, WB2QCJ, KB2TAK, AF2K, K2OS, K0SM, K2TER, N2KXS, and Ken Boesi, N2LDU, guest.

Fred, WO2P, moved that the Secretary's report be accepted as printed in the RVHFG Journal. Dave, K2DH, seconded the motion which was passed by the attendees.

#### **OLD BUSINESS**

The annual RDXA/RVHFG awards banquet will be held Friday, April 18 at NapaGino's, in Penfield, on the northeast corner of routes 250 and 441. The social hour starts at 6:00 PM and dinner at 7:00 PM. RDXA will be completing their 60<sup>th</sup> year while RVHFG will be beginning its 60<sup>th</sup>.

The Rochester VHF Group is looking for a meeting location that is nearer to Rochester.

Dave, K2DH, reported on his work on UHF beacons. The group had decided that 1296 was the easiest band to start with and Dave has completed the building of a beacon on that band. It is producing a very clean signal from FN12fs on 1296.275 and has run reliably for a week at 2 watts out. N2MLH, Larry, sent Dave an EPROM with the ID. It outputs a carrier for 20 seconds, and then is off for 10 seconds. Dave said that the guts of 2304 are ready to go. Andy, K0SM, said that it would be good to look into a keyed multiplier scheme and asked if anyone has ideas on a design.

#### **NEW BUSINESS**

A motion for a new membership category was put before the group. After some discussion, the following was proposed: "Membership dues will be waived for any ham eighteen years of age or younger upon application, renewable annually. Membership includes all benefits of club membership as they now stand." The motion was passed unanimously by the members present.

Walter, NQ2O, told the group that the FCC recently granted experimental licenses for tracking. Some of the frequencies that are approved for the tracking are within the 144 and 146 MHz bands, some of which were formerly allotted for Amateur radio use.

Walter also told the group about a program that will be on 60 Minutes the following Sunday which highlights an amateur radio operator, John Kanzius, K3TUP, of Erie Pennsylvania, who has been experimenting with radio waves to kill cancer cells. It has generated a lot of interest and research on the technique is being pursued by several groups of scientists.

Election of Rochester VHF Group officers will be held at the May meeting. Up for election are the positions of Odd-year Director, Chairman, Vice-Chairman, and Secretary-Treasurer.

Dean, WB2QCJ, told the group that Al Goss has a Honda 2,200 watt generator for sale.

Russ, W2DYY, moved that the meeting be adjourned. Fred, WO2P, seconded the motion which was passed by the attendees.

# HAM RADIO GEAR FOR SALE:KB3HJA

Due to poor health and advancing age, I must sell the equipment listed herein. All of this equipment was purchased new. If you are interested in any of this material, please call me at 610-827-9186 (best time to reach me is before 10 a.m. or from 3 to 5 p.m.).

Thank you, Gary Nielsen

## TRANCEIVERS

ICOM 7800	\$7800
-Purchased 2004 Firmware upgraded in 2005	
-Narrow Roofing Filter upgrade in 2007	
ICOM 746 PRO W/PS	\$800
-Purchased in 2002	
KENWOOD TS 2000X	\$1400
-Purchased in 2003	
YAESU FT 817	\$400
-Purchased in 2006	

## STATION EQUIPMENT (Listed by Band)

50 Mhz	
Lunar Link LA62 1500 W PA	\$3000
-Purchased 2002	
-All Lunar Links include all options; power meter, pulse rated tubes, power supply and relay package.	
LNA Technology Preamp System	\$300
-Purchased 2002-CA/Z0E Sequencer included	
-Relay package (2 CX600 NL) incl.	
144 Mhz	
Lunar Link LA12 1500 W PA	\$3000
-Purchased 2004	
-Same equipment lineup/options as above	
Downeast Xverter 222-28	\$200
-Purchased 2005	
LNA Tech Preamp System	\$300
-Purchased 2005	
-Includes CA120E Sequencer and CX600 NL package	
Mirage C106G	\$200
-Purchased 2005	
432 Mhz	
Lunar Link LA72 1500 W PA	\$3000
-Purchased 2004	
-Same equipment lineup/options as above	
LNA Technology CAV 432 EME System	\$350
-Purchased 2004	
-Included CA 120 E Sequencer and CX600 NL package	
BEKO HLV 280 300 W PA	\$1000
-Purchased in 2004	
903 Mhz	
Downeast 903-144 LP Xverter	\$200
-Purchased 2004	
Downeast 3370 PAS 70 W PA	\$150
-Purchased 2005	
LNA Technologies Preamp System	\$300

	-Purchased 2004	
	-Includes CA120E Sequencer in CX600 NL package	
1296 Mhz		
	DB6NT 100 W PA TLA 1275 100 MC	\$1000
	-Purchased in 2005	
	LNA Technologies CAV1296 EME Preamp System	\$250
	-Purchased 2004 - Includes CA 120E Sequencer and CX600NL package	
2304 Mhz		
	Downeast 2304 – Xverter	\$250
	-Purchased 2006	
	-Includes SMA WTR relay option	
3456 Mhz		
	Downeast 3456 – 144 Xverter	\$250
	-Purchased 2006	
	-Includes SMA WTR relay option	
Other Station Equipment		
	Astron RS-70M (70A)	\$150
	Astron RS-35M	\$75
	Astron VS-20M	\$65
	MFJ 259B Analyzer	\$150
	NCS 3240 MultiSwitcher	\$200
	-Includes all cables	
	ICOM T81A (6,2,432,1296)	\$150
	Downeast Converters (6,2,432,1296)	\$45 ea.
	MFJ CW Reader	\$20
	Coax Switches	\$15 ea.
	MFJ 1704, Delta 2, DAWA CS201 and CS401	
	Heil boom, and Goldline GN-5, and Foot Switch	\$150
	Plug in Power Adapters	
	-many types	
	Coax Adapters	
	-Primarily “N” Type	
	-Many available	

## TOWERS

Aluma T75XHD – 75 ft Crankup	\$6000
-brand new, never used, never uncrated	
-paid \$7650 September 2007	
Aluma T50XHD – 50 ft Crankup	\$2500
-Purchased 2005	

## ROTATORS

Two MZ OR 2800 PX	\$750 ea.
-Both purchased 2005	
Hygain T2X Tailtwister	\$200
-Purchased 2004	
Several small rotators and an additional OR2800 control box	
-rotor unavailable	

## STACKING SYSTEMS

Several aluminum tower sections modified for use as the horizontal boom member for stacking large arrays. These sections are equipped with gosset plates (for attaching the vertical mast members) and include all hardware. The largest I went with this system was for four 6M9KHW 34' wide by 32' high.

\$ (contact)

## ANTENNAS

10/15/20 M		\$1200
KT36A		
50 Mhz		
C3i	3 x C650	\$450
M2	4 x 6M9KHW	\$1500
DirSys	6 x 5004HP 4 el	\$600
144 Mhz		
C3i	6 x F015	\$600
KMA LP	2613	\$100
222Mhz		
C3i	4 x F016	\$400
432 Mhz		
C3i	4 x F039	\$800
903 Mhz		
C3i	4 x F033	\$500
1296 Mhz		
C3i	4 x F045	\$500
WIMO SHF	2367 67 el 20 ft boom	\$90
M2	23CM35EZ boom	\$80
2304 Mhz		
Dir Sys	1376LY 76 el on 12' boom	\$90
3456 Mhz		
DirSys	9112 LYK 112 el on 12' boom	\$90

## PHASING LINES / POWER DIVIDERS

Available for all stacked systems – made by LNA Tech, Inc or M2 – most are made of ½” hardline (LMR600 for 6M9KHW)

Power dividers are made of copper (silver plated) pipe

All phasing lines equipped with “N” connectors

## CABLE

Many lengths of 7/8” hardline (with connectors) At least 6 are 100+ ft, several 70 to 100 ft.

-Several lengths of ½” hardline

-Many lengths of LMR600 and LMR400 (all with connectors)

-100 ft of RG 83

-Six lengths of 8 conductor control cables 100+ ft.

-A huge number of LMR 400, LMR 600 UF rotor rounds and jumpers (all with connectors.)

## MASTS

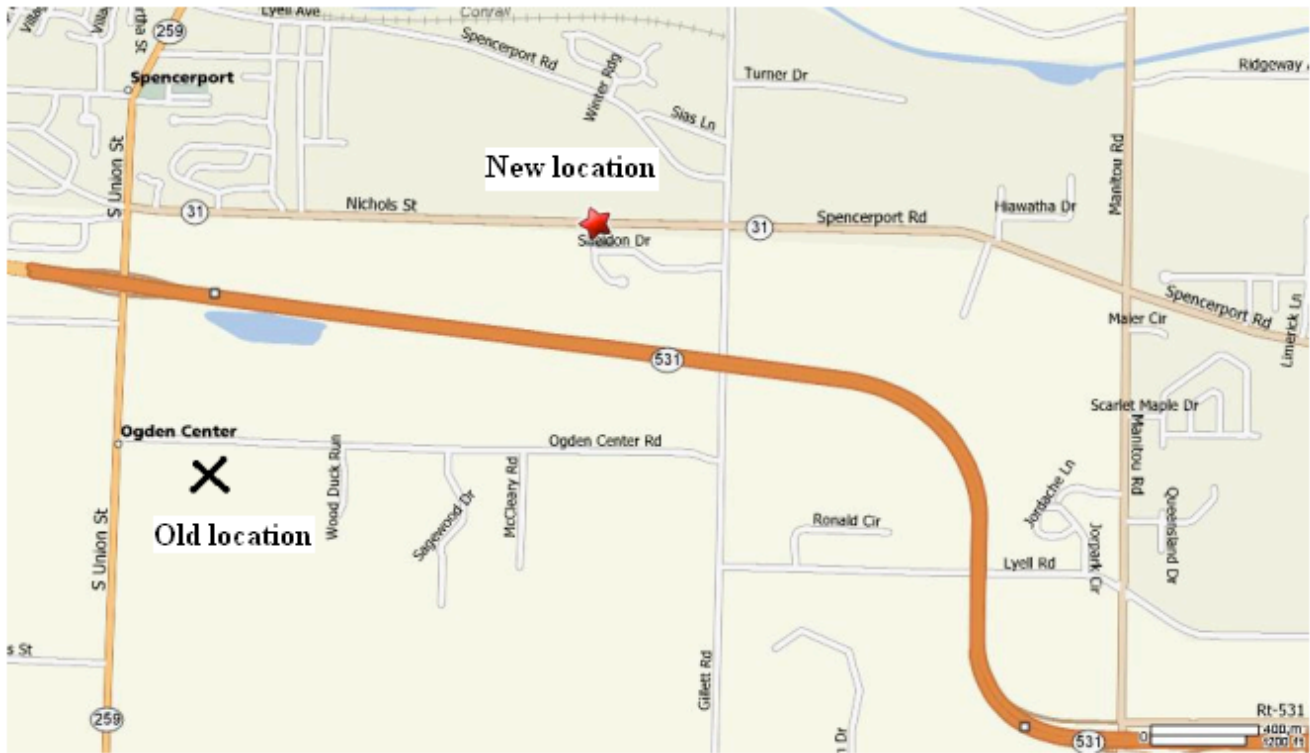
Many lengths of aluminum and steel (up ¼” wall). Some 2 ½ and 3 inch.

## WIRE

-Guy Wire (3/16”), turnbuckles, etc.

‘Lots of misc wire lengths

## BACK ISSUES OF CQ AND QST



**Spencerport Wesleyan Church on 2653 Nichols St. (actually Hwy. 31).**

**Directions from Rochester:**

**531W exit RT. to 259N**

**259N turn Rt. on 31E (first Rt. at traffic light)**

**Look for Spencerport Schools Bus Garage on left**

**Take first Rt. on Sheldon at A-framed church, park in rear lot.**

**Enter gray metal door under fire escape.**