



SPECTRUM



The Voice of the Humble Electron

Founded 1962



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Whitman Amateur Radio Club Meeting 09/05/18



Paul Moss KB1MTW **Larry Kenney W1VP** **Jeff Tracy N1SOM** **Joe Amorelli K1JMA**
Vice President Secretary Treasurer President

ATTENDANCE: 37 members and guests were present including 4 elected officers

W1VP Larry Kenney	KB1MTW Paul Moss	K1JMA Joe Amorelli
N1SOM Jeff Tracy	KB1OEQ Ron Stundze	KC1FZ George Davis
N1OYH Carl Davis	N1ZZN Jeff Lehmann	KC1EUJ Kurt Sundwall
AG1B Richard Metcalf	WK1D Jeff Ayres	WD1L John Nelson
KB1IKH Elayne Tovet	W1JT Jim Tovet	N1IQI Loren Pimentel
W1JGR John Ruppel	WG1L Jim O'Rourke	KB1MJL Elvin (AI) Marshall
W1JDG John Ginsberg	K1WGU Bob Bass	KC1FZI Joe D'Antonio
KC1JSL Ben Fletcher	KC1FZH Marty Nugent	KB1WNX Steven Lyons
W1GTX Paul DeLory	KB1MOC Kevin Dykes	W1EKG Ross Hochstrasser
KC1ITF Mark Hirtle	KG1U Mike Bennett	WA1YKF Warren Dickie
SWL Robert Kirlaldy	W1LJM Frank Sheputa	KA1KIJ Bob Azanow
N1BSO John Laiosa	KB1PFL Jim Madden	WI1G John Murphy
N1CFB Chris Babbitt		

Secretary's Report:

President **Joe Amorelli K1JMA** called the meeting to order at 7:02 pm 09/05/18. A quorum was present.

The Pledge of Allegiance was recited, followed by an attendance roll call.

Treasurer **Jeff N1SOM** read the August 2018 treasurers report. Motion to accept the report as read made by **Jeff WK1D** with a second by **John W1JDG**. Motion passed quorum vote.

Secretary **Larry W1VP** indicated the August 2018 meeting notes were published online on the club website. Motion to accept as published made by **Jeff WK1D** with a second by **John WD1L**. Motion passed quorum vote.

Health & Welfare report by **Elayne KB1IKH.**

Elayne reports the following:

- A Get Well card was sent to **Brad W1AY**

Sunday Public Service Net Control for August 2018.

- September 9th **Jeff WK1D**
- September 16th **Jeff N1SOM**
- September 23rd **Paul W1GTX**
- September 30th **Bob KA1KIJ**

Wednesday 28.333Mhz 8pm RagChew Net Control for August 2018.

- September 12th **Ross W1EKG**
- September 19th **Ross W1EKG** (net start time approx after MOTA net)
- September 26th **Paul W1GTX**

New Members:

Joe K1JMA and **Jeff N1SOM** report no new membership applications this month.

Marshfield Fair report from Jack N1QE (event charman)

- **Joe K1JMA** read a report provided by **Jack N1QE** who could not be in attendance at this club meeting:

Report to the Membership Marshfield Fair 2018

27 August 2018

We were successful in filling all 20 shifts over the 10 days of the fair, although a few shifts started a little late due to changes in work commitments and some had a single person.

We implemented a few changes this year:

- Started sign up earlier and went to mostly an email on line system
- Limit to 2 people per shift until all shifts filled
- Changed to 2 shifts/day with a ½ hour overlap to ensure total coverage
- Provided name badges for shift volunteers
- Utilized some brochure racks to present materials better to the public as well as keep them from blowing off the table
- Distributed passes at the meeting prior to the fair, approx. 70% delivery rate

The event went well though a lot of downpours and squall lines. Traffic was a bit slow at times but made many contacts with people of all ages, our give away item of a business card incorporated into a communications tri-fold card that included mores code, signal flags and semi phore were a big hit with all age groups.

I would like to thank our shift operators:

Mike Davis WA1MAD	John Murphy WI1G	Heather DeMont W1AZU
John Duprey KB1SVY	Dave Beauvasis KB1QMX	John Laiosa N1BSO
Jeff Tracy N1SOM	Paul Moss KB1MTW	Bob Azanow KA1KIJ
Marty Nugent KC1FZH	Ben Fletcher KC1JSL	Charles Sheputa N1ANS
Frank Sheputa W1LJM	Pete Carlson KB1POO	Alice Carlson KB1OAU
John Chase KB1ODS	Mark Hirtle KC1ITF	Ross Hochstrasser W1EKG
Paul DeLory W1GTX	Jack Foley N1QE	Kurt Sundwall KC1EUJ
Steve Lyons KB1WNX	Chris Babbitt N1CFB	Joe Amorelli K1JMA
Larry Kenney W1VP	Wayne Galvin W1WAG	Jeff Lehmann N1ZZN
Fred Birtwell K1FAB	Billy Robinson K1UFO	Ben Rioux SWL

Thanks to our setup/takedown crew:

Jim O'Rourke WG1L	John Murphy WI1G	Loren Pimentel N1IQI
Paul Moss KB1MTW	John Chase KB1ODS	Kurt Sundwall KC1EUJ
Richard Metcalf AG1B	Fred Birtwell K1FAB	SWL Fergie

Also a thank you to Bill N1FRE for his guidance and input as I take on this event.

Some thoughts for next year:

Have the following items at the fair: frequency chart and class schedule handout sheet with the class schedule along with the WA1NPO banner mounted on the tent. We might also consider having a panel on the South side of our tent as a sun and weather block, it gets a little hot and sometimes wet during the fair. Also consider having a club T-shirt that members could wear to make the club a little more professional. One other item, maybe check into the feasibility of an antenna bracket mounted on the shed to get the 2 meter out of the way and avoiding the communication issues we had at times.

Thanks you to all of those that gave us a hand in this club event, your assistance was appreciated by both the club as well as myself. I am not in attendance tonight as I am at the BSA Roundtable.

Jack Foley N1QE
Marshfield Fair Chairman

After the letter was read, the club membership gave all those contributing to the event a lengthy round of applause.

Training Committee update by Ross W1EKG

- **Ross** reminded everyone he and **Paul W1GTX** have started the Technician class (on September 4th) which will run throughout September on Tuesday and Thursday evenings with a VE session on Tuesday October 2nd. Ross plans to follow this with a General class starting sometime in October and an Extra class in January 2019. Exact dates tbd- but will be published on the club website.
- **Joe K1JMA** thanked Ross and all who helped with the recent Marshfield Fair training session.

Equipment/Assets committee update by Paul KB1MTW

- Paul reported the Yaesu FT-990 HF rig recently acquired from **N1VEG/SK** has tested fine. **Joe K1JMA** indicated this would be kept for club use and not sold at this time.

Repeater report by Jeff N1ZZN

- Jeff asked **Kevin KB1MOC** to provide info on the possibility of installing our 2Meter repeater antenna (currently in storage) at the clubs current repeater site. Kevin explained how this *might* be possible at a low/no cost to the club as some point in the future. Patience was advised with Kevin and/or Jeff will keep the club informed in the future.

New Business

- **Joe K1JMA** asked who was attending the upcoming ARRL Boxboro convention on September 7th – 9th and NEAR-Fest on October 12th-13th. A general discussion took place regarding both events. This included the application process for club early-entry NEAR-Fest passes.
- **Ben KC1JSL** mentioned an Octoberfest event at his church in Halifax on October 7th and asked if the club would be interested in having a table at the event. Interest was high so **Joe K1JMA** asked that details be sent to the club email. Ben confirmed he would send the info.
- **Joe K1JMA** reminded folks of the *South Shore Model Railway Club and Museum show and open house* coming up on October 27th and 28th.
- **Joe K1JMA** reminded folks of the clubs Winterfest Flea Market event taking place on the 3rd Saturday in January (Jan 19th, 2019). Further plans are to be made, including confirming use of the K/C Hall for this event.
- **Paul KM1MTW** mentioned the lack of new RG-213 coax for sale by area vendors until well into October. Anyone who knows of a source of this coax, please contact Paul. Paul also indicated the club supply of PL259 connectors is running low at the moment and needs to be re-stocked. A general discussion took place with several suggested sources for coax and connectors being offered. **Jeff**

N1SOM indicated he will look into re-stocking these items also.

Motion to adjourn made by **John W11G** with a second by **Jeff WK1D**. Motion passed a quorum vote. **Joe K1JMA** adjourned the meeting at 7:38pm, 09/05/18

End Secretary's Report



Whitman club meeting

September 5th, 2018

Photos by Jeff WK1D



K1DSW Antenna Party – and a Review by N1VH

By **John K1DSW** and **Marty N1VH**, compiled by **Jeff WK1D**

Let me preface this article by stating that this is **NOT** an ad for the antenna. The testing was done by **John K1DSW**. Most of the information was kindly provided by **John K1DSW** and **Marty N1VH**.

I am simply sharing information about what appears to be a very good antenna.



On Tuesday, July 10th, **Pi K1RV**, **Marty N1VH**, **Rick N1DC**, **Mike W1ALP**, and **Jeff WK1D**, held an antenna party at **John K1DSW**'s QTH, to hang an end fed antenna for John.

The antenna is an EFHW-8010-2K Multi band End Fed Half Wave Antenna, purchased on Myantennas.com. It is 130 feet long, and is rated at 2,000 Watts. Here is a link to the web page: <https://myantennas.com/wp/product/efhw-8010-2k/>. It works on 80/75 through 10 meters and the 2K stands for 2000 Watts power capability. **Marty N1VH** has one of these and told John about it. Be sure to read Marty's review after John's testing results.

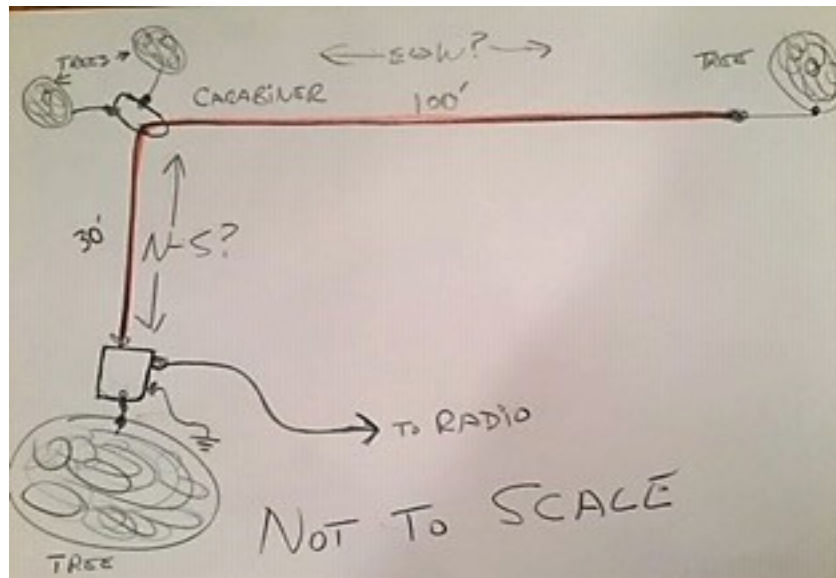


We had an interesting time hanging the antenna, as the lot is not long enough to allow the antenna to run in a straight line. We ended up with an "L" shaped antenna, with the bend formed by a carabiner supported by ropes attached to two trees, to keep the antenna wire clear of the trees.

Some of the launcher shots were very interesting, as there were places where the rope had to end up in just the right spot. Sometimes we tried to avoid shooting the projectile too far to avoid going into other trees. Some spots were very tight, in amongst lots of branches. In all, I struck three branches dead on, with a broken projectile as a result. We eventually got the antenna wire where it needed to be, with the box containing the unun suspended in a tree, and **John K1DSW** was able to complete the connection later in the day. **Rick N1DC** came back later in the day and removed some pesky branches with his extended pole pruner.

The antenna is not setup as a straight dipole. The 100 foot length favors north/south propagation and the 30 foot length favors east/west propagation. The 100 foot section is at least 30 feet above the ground and the 30 foot section is 30 feet to 25 feet at the tree.

Here's a simple sketch of the layout:



Here is the initial report from **John K1DSW**:

“I have not used the new antenna as yet. I have just finished measuring the SWR for all bands. The antenna tuner was set to bypass so I could measure the antenna directly. It is an unbelievable antenna. The antenna is 80-10 meters so 160 & 6 meters are not part of the design.

Freq	SWR
1.8-2.0	6.1-6.6
3.5-4.0	1.7-2.1
7.0-7.3	1.2-1.0
10.1-10.15	2.1-1.9
14.0-14.35	1.5-1.3
18.07-18.6	1.0-1.0
21.0-21.45	1.6-1.3
24.89-24.99	1.1-1.1
28.0-29.7	1.6-1.5
50.0-54.0	1.8-2.0

I will be able to use 160 and 6 meters using the antenna tuner. The 60 meter SWR was 22.1”

A later report from John is:

“I don't want to bother you with a lot of SWR data but I will highlight it. The 80/75 meter band has a high of 1.9 :1 at 3.500, going down to 1.2 at 3.700, and back up to 2.5 at 4.000. Most of that band and all the rest of the bands the major portion are below 2.0. The 40 meter band is 1.6 to 1.0. The 20 meter band is 1.4 to 1.1. The 17 meter band is 1.0 over the entire band. the 15 meter band is 1.5 to 1.0. The 12 meter band is 1.3 for the entire band. The 10 meter band was a shocker for me since it has a 1.7 MHz bandwidth. SWR 1.9 at the bottom, to 1.3 at the top.

The first contact I made was on 7/18 with a Bulgaria club station on 20 meter CW. A couple of minutes later I worked a station in the Canary Islands also on 20 meter CW.”

John then provided further data from testing:

	Freq.	SWR		Freq.	SWR
<u>80/75M</u>	3.500	1.9	<u>17M</u>	18.068	1.0
	36.00	1.4		18.118	1.0
	3.700	1.2		18.168	1.0
	3.800	1.5			
	3.900	2.1	<u>15M</u>	21.000	1.5
	4.00	2.5		21.100	1.4
				21.200	1.3
<u>40M</u>	7.000	1.6		21.300	1.1
	7.100	1.3		21.400	1.0
	7.200	1.0		21.450	1.0
	7.300	1.0			
			<u>12M</u>	24.890	1.3
<u>30M</u>	10.100	2.1		24.940	1.3
	10.150	1.9		24.990	1.3
<u>20M</u>	14.000	1.4			
	14.100	1.3			
	14.200	1.2			
	14.300	1.1			
	14.350	1.1			

	Freq.	SWR	Freq.	SWR
<u>10M</u>	28.000	2.0	28.900	1.3
	28.100	1.9	29.000	1.3
	28.200	1.8	29.100	1.3
	28.300	1.7	29.200	1.3
	28.400	1.6	29.300	1.3
	28.500	1.5	29.400	1.4
	28.600	1.5	29.500	1.5
	28.700	1.4	29.600	1.6
	28.800	1.3	29.700	1.7

I asked **Marty N1VH** for his thoughts on this antenna, since he recommended it to **John K1DSW**. Here is his review and history with this antenna:

“Living in a multi-tenant environment, I have limited antenna options. I need a very stealthy antenna that requires minimal effort to install. Based on my positive experience with the LNR Quad (10-20-15-40) end fed antenna, and many positive reviews, I decided to try the ‘myantennas.com EFHW 8010-1K’ antenna. I was able to run the antenna through the trees at about 25ft. It disappears in the trees even during the winter! This antenna allows me to operate on 80-40-20-15-10M (as well as 160M & 6M with a decent tuner) at up to 1000W.

I have been very pleased with the performance of this antenna. Not only is it resonant on 80-40-20-15-10, I am able to tune 160M (SWR of 9.9) and 6M (SWR of 5.7). I have been able to WAS (work all states, well almost all, Mississippi still eludes me) and have over 65 DXCC countries in the log. I can work most of the continental US and Canada on 80M and even completed a DX 160M contact to Germany (the antenna performs quite well on 160M despite the high SWR). During a rare 15M opening, I was able to complete CW QSO’s with Alaska, Hawaii and Japan, and SSB QSO’s with Alaska and Hawaii! All running low power at only 100W! Despite my limited antenna and power, I have been able to enjoy contesting and reasonable DX. I have no excuse for not getting on the air. I added the ‘myantennas.com CMC-130-3K’ Common Mode Filter Choke / Noise Suppressor / Line Isolator near my radio. This choke dropped the noise on 80M & 160M by 2S units, as well as other RF spikes seen on my panadapter. It also eliminated the RF noise in my computer speakers and flickering desk lamp when transmitting on 80M & 160M. This choke and a few well placed ferrites installed in my shack eliminated almost all spurious noise.

A final note. Like many, I experienced antenna damage during last year’s late winter nor’easters. A downed tree took out my antenna and a supporting tree. I was pleasantly surprised that I was able to get a replacement wire (cut to length with installed terminating HW) for \$40 from myantennas.com. It was a simple 5 minute job to replace the wire on the balun (unfortunately, many hours to rehang in the downed trees). I could have saved a couple of dollars cutting my own wire to length and terminating myself, but life is just too short.

I highly recommend this antenna for those with limited options or for anyone wanting a simple to install, resonant multiband antenna. It would also work well for field days and portable operations.

73,
Marty - N1VH”

I hope this information is helpful to anyone looking to try a new antenna, especially someone with limited options. Sorry there are no pictures of the antenna party, I wasn’t planning to create an article out of this experience.

Many thanks to **John K1DSW** and **Marty N1VH** for all the testing and work they put into this article!

73,
Jeff WK1D



ARRL Boxboro convention

September 7th - 9th 2018

Photos by Larry W1VP



Flea Market



John W1IG and Rick KB1TEE



Fred K1FAB



Warren W1YKF



Bob KAIKIJ and friend Bob KBIZIW



Bill NR1FD



Jim NM1F at his Flea Market setup



(L) Fred Hopengarten K1VR challenging incumbent Tom Frenaye K1KI (R) for the ARRL NE director position.



The Friday night DX Dinner featured Scotch and a Baker Island DXpedition review with Don Greenbaum N1DG



HAM RADIO LOCAL AREA NETS



If you know of a Ham Radio Local Area Net that is not listed here, a typo on the information, or a Net listed which is no longer active, please contact Barry – N1EZH at: N1EZH@comcast.net , so this list can be updated. All Frequencies are in MHz and 6 Meters (50.0 MHz and up.), are FM Mode unless otherwise noted. Thanks!

Sunday: **WA1NPO – WARPSN Net, 8:30 AM, Whitman ARC Rptr, 147.225 +, PL 67.0**
6 Mtr AM Net, 5:00 PM, 50.400.0 AM, Scituate
NE Cracker Barrel Net, **7:00 PM Daily** (Matt – W1AEM, NCO on Sun), 3.921.00 MHz LSB
Pilgrim Amateur Wireless Assoc. 10 Meter Net, 7:00 PM, 28.375.0 USB
Cape & Island Traffic Net, Every Night at 7:30 PM, Falmouth N1YHS Rptr, 147.375 + PL 110.9
Genesis ARC CW Training Net, 7:00 PM, Plymouth N1ZIZ Rptr, 146.685 – PL 82.5
Eastern MA 2 Mtr Traffic Net, Every Night at 8:00 PM, Boston W1BOS Rptr, 145.230 – PL 88.5
Norfolk County Radio Association Net, 8:00 PM, Walpole Rptr, 146.895 – PL 123.0

Monday: Cape and Islands Weather Net, 6:00 AM, Mon – Sat, Dennis K1PBO Rptr, 146.955 – PL 88.5
Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0
Norfolk County Emergency Preparedness Net, 8:00 PM, Walpole Rptr, 146.895 – PL 123.0
Falmouth ARA Net, 7:30 PM, Falmouth K1RK Rptr, 146.655 – PL 88.5
Boston ARC Rag Chew Net, 9:00 PM, Boston W1BOS Rptr, 145.230 – PL 88.5

Tuesday: Massasoit ARA Net, 8:00 PM, Bridgewater W1MV Rptr, 147.180 + PL 67.0 (Except 3rd Tue!)
Genesis ARC 2 Mtr Rag-Chew Net, 7:30 PM, Plymouth N1ZIZ Rptr, 146.685 – PL 82.5
Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0
Norwood Amateur Radio Club Net, 8:00 PM, Norwood Rptr, 147.210 + PL 100.0
220 MHz Day! Try to find a 220 Repeater near you and give a call out!

Wednesday: Taunton ACG, KC1TAC, 2 Mtr Simplex Net, 8:30 PM, 145.770
Whitman ARC 10 Meter Rag-Chew Net, 8:00 PM, 28.333.0 USB (Except 1st Wed!)
Blackstone Valley ARC , 2 Mtr Simplex Net, 7:00 PM, 146.565
Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0
Cape and Islands ARES Net, 8:00 PM, Dennis K1PBO Rptr, 146.955 – PL 88.5
Waltham Wranglers Swap Net. 9:00 PM, Waltham W1MHL Rptr , 146.64 – PL 136.5

Thursday: Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0
Genesis ARC CW Training Net, 7:00 PM, Plymouth N1ZIZ Rptr, 146.685 – PL 82.5
10 Mtr General Class Rag-Chew Net, 8:00 PM, 29.470.0 FM
Sturdy Mem. Hosp. ARC ARES Practice Net, 8:30 PM, K1SMH Rptr, 147.195 + PL 127.3
900 MHz Day! Try to find a 900 Repeater near you and give a call out!

Friday: Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0

Saturday: South Shore Skywarn Net, 8:00 PM, Bridgewater W1MV Rptr, 147.180 + PL 67.0
VKEMCOMM Echolink Conference node: 270177/IRLP 9508 (due to *WX-TALK* Echolink conference node: 7203/IRLP 9219 outage) Refer to: <http://www.voipwx.net/>



The **WARPSN** NET meets every Sunday morning at 8:30 a.m. on the Whitman REPEATER 147.225 MHz (PL 67). Come join in and share your amateur radio related activities with the other area HAMS and short-wave listeners as well. We need your updates for the newsletter.

As part of our training, we encourage everyone to practice sending routine RADIOGRAM messages. Make up a National Traffic System (NTS) traffic message and send it to a friend. We also encourage everyone to try your hand at Net Control. Contact **Bill N1FRE** for a Net Control handout or visit our website at:

www.wa1npo.com and follow the link for the Sunday Public Service Net
(http://www.wa1npo.org/index.html#Sunday_Public_Service_Net_Control)



MEETING SCHEDULE

Meetings are held on the first
Wednesday of each month

The next meeting will be held at the
Whitman Knights of Columbus, which is
located at 1195 Bedford Street
(Rt. 18) in Whitman, Mass.

NEXT MEETING

Wednesday, October 2nd 2018
Whitman Knights of Columbus

NEXT MOTA/Repeater MEETING

Wednesday, October 17th at 7:30 p.m
on the Whitman 147.225 repeater

Club REPEATER 147.225 MHz PL 67

Club IRLP Node 8691

Club EchoLink: WA1NPO-R Whitman MA USA

Club EchoLink Node 484193

CLUB OFFICERS

<u>President</u>	<u>Joe Amorelli</u>	<u>K1JMA</u>
<u>V. President</u>	<u>Paul Moss</u>	<u>KB1MTW</u>
<u>Secretary</u>	<u>Larry Kenney</u>	<u>W1VP</u>
<u>Treasurer</u>	<u>Jeff Tracy</u>	<u>N1SOM</u>
<u>Director</u>	<u>John Nelson</u>	<u>WD1L</u>
<u>Director</u>	<u>Mike Davis</u>	<u>WA1MAD</u>
<u>Director</u>	<u>Richard Metcalf</u>	<u>AG1B</u>
<u>Director/</u>		
<u>Past President</u>	<u>John Murphy</u>	<u>WI1G</u>
<u>Health/Welfare</u>	<u>Elayne Tovet</u>	<u>KB1IKH</u>

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