



The Whitman Amateur Radio Club, Inc.

July 2005

# SPECTRUM



The Voice of the Humble Electron

Founded 1962

**PRESIDENT'S MESSAGE:** This is **The Bruce N1IX** - Field Day is over and was a great success with a 30% participation by Whitman Club members (see F.D. Special Edition) and now we can look forward to coordinating the Marshfield Fair Special Event in August. The Fox Hunters were active as usual and several Whitman club members helped provide communication support for the Camp Yomechas Triathlon in Middleboro. Several Club members participated in the monthly RADIOGRAM training sponsored by the Massachusetts Emergency Management Agency (MEMA).

At the July meeting we had a very interesting talk on tubes by **Dennis Foley SWL** and at the August meeting **Jeff Lehmann N1ZZN** and **Peter George K1XRB** have volunteered to give a presentation on DXing on TV and FM Broadcast Bands.

We heard from **Bernie Snow N1OQW** who reported on another one of his homemade antennas. Come to the next meeting and share your radioactive projects with the others members present or send us an update on your latest amateur radio activities.



**Send WA1NPO  
an update**

## **TECHNICAL TOPIC: TUBES – TUBES – AND MORE TUBES**

**Paul Foley N1KQR** and **Dennis Foley SWL** are shown holding some of the special tubes they brought to the July meeting for show and tell.

**Dennis SWL** reports that he has about 30,00 tubes in his collection and brings only a few thousand when traveling to flea markets in the area. He brought along some of his special collection that included a large radio station power tube and a large television camera tube along with several cathode ray tubes, a microwave tube, a tube made in Russia and many more.

**Dennis SWL** has a tube tester and can supply the tube requirements for any of your antique radio or 1950's amateur radio transceiver restoration projects. Remember – real radios glow in the dark.



**Paul Foley N1KQR &  
Dennis Foley SWL**

**WHITMAN AMATEUR RADIO PUBLIC SERVICE NET (WARPSN):** This net meets every Sunday morning at 08:30 hours on the Whitman REPEATER 147.225 MHz pl 67. All are welcome to join in and share your amateur radio related activities with the other area HAMS. In June we had an average of 10 area HAMS checking in each week and 5 messages were sent.

**SECRETARY'S NOTES OF THE MEETING OF July 6, 2005 de KB1CYV**

**OPENING:** The members started gathering at the Whitman Public Library, Whitman, MA around 6:15 P.M. **President Bruce NI1X** opened the meeting with a roll call at 6:35 P.M.

**ATTENDANCE:** Nineteen members / guests were present, including the four elected officers and two directors. A quorum was present.

<b>N1ZZN</b>	<b>Jeff Lehmann</b>	<b>N1VTI</b>	<b>Paul Burbine</b>	<b>W1GMF</b>	<b>Gil Follett</b>
<b>NI1X</b>	<b>Bruce Hayden</b>	<b>KC1FZ</b>	<b>George Davis</b>	<b>N1NTZ</b>	<b>Ed Meehan</b>
<b>N1KQR</b>	<b>Paul Foley</b>	<b>KB1CYV</b>	<b>Roy Logan</b>	<b>KB1ETW</b>	<b>Jim Halpin</b>
<b>KA1PJX</b>	<b>Don Keene</b>	<b>K1XRB</b>	<b>Peter George</b>	<b>K1WGU</b>	<b>Bob Bass</b>
<b>N1FRE</b>	<b>Bill Hayden</b>	<b>N1PXX</b>	<b>Ron Smith</b>	<b>N1SOM</b>	<b>Jeff Tracy</b>
<b>KB1KVL</b>	<b>Ken Kavaljian</b>	<b>W5IRW</b>	<b>Jim Gilbert</b>	<b>SWL</b>	<b>Dennis Foley</b>
<b>KB1KFF</b>	<b>Jim Kenworthy</b>				

**TREASURER'S REPORT:** The treasurer's report for June was read by **Jeff N1SOM**. **Jim W5IRW** made a motion seconded by **Ed N1NTZ** that the treasurer's report be accepted as read. The motion was approved.

**SECRETARY'S REPORT:** A motion was made by **Jim KB1KFF** seconded by **Paul N1VTI** that the secretary's report be accepted as published in the June Newsletter. The motion was approved.

**HEALTH AND WELFARE:** **Bill N1FRE** reported that he had visited **Walter K1BZD**, as he continues his recuperation. Cards may be sent to **Walter K1BZD** at South Shore Nursing Facility, 115 North Avenue, Rockland, MA 02370. **Bruce NI1X** reported that **Carlos WP4US** is currently at the VA Hospital in Providence, RI. WARC sends best wishes to both.

**OLD BUSINESS:** **Paul N1VTI** reported that he had a successful Field Day from his QTH. **Roy KB1CYV** has added this year's recipient of the WARC Whitman Hanson Scholarship, **Michael Sheehan** to the roster of recipients.

**NEW BUSINESS:** **Bill N1FRE** made a motion seconded by **Jim KB1KFF** that **Walter K1BZD** be awarded an honorary membership in the WARC. **Bruce NI1X** made a motion seconded by **Bill N1FRE** nominating 4 new members for membership. They are: **Rudy Burer KB1LXI**, **Jim Ford NM1F**, **Bob Bass K1WGU** and **Gary Cumiskey W1GRC**. All motions were approved. Welcome to the WARC, guys. **Ron N1PXX** presented **Ken KB1KVL** with a personalized clock for his shack in appreciation of his help in **Ron's N1PXX** recent move and antenna installation. **Bill N1FRE** will be establishing a roster of operators for the Marshfield Fair special event August 19-28.

**TECHNICAL TOPICS:** **Dennis Foley SWL** and **Paul Foley N1KQR** gave an informative presentation on several of the 30,000+ tubes that **Dennis** has accumulated. **Dennis** is an active vendor at Hosstraders and can meet any needs that may arise in restoration projects.

**NET CONTROLS:** 7/3 **Bruce NI1X**      7/10 **Bill N1FRE**      7/17 **Jeff N1SOM**  
7/24 **Roy KB1CYV**      7/31 **Ron N1PXX**

**ADJOURNMENT:** A motion to close was made by **Ed N1NTZ** seconded by **Jim W5IRW** and **President Bruce NI1X** closed the meeting at 7:45 P.M.

**NEW MEMBER: Rudy Burer KB1LXI** lives in Taunton with his wife **Denise** and son **Eric**. **Rudy KB1LXI** is a Community Emergency Response Team (CERT) volunteer for the City of Taunton and a recent graduate of **Carlos's WP4US Technician Classes**. **Rudy KB1LXI** is currently looking to purchase HAM equipment.



**Rudy Burer KB1LXI**



**Jim Ford NM1F**

**NEW MEMBER: Jim Ford NM1F** lives in Plymouth with his wife **Joanne** and his three children **Cortney KA1UJP**, **Andrew** and **Emily**. **Jim NM1F** has been setting up a table at Saftler's for the past 20 years. He is interested in building home brew rigs, CW and restoring older radios.

**NEW MEMBER: Bob Bass K1WGU** lives in Randolph with his wife **Connie**. **Bob K1WGU** has been a ham for 45 years and reports that he enjoys 17 meters, likes to tinker and repair older radio gear and computers, and enjoys spending time with his three grandchildren.



**Bob Bass K1WGU**



**Gary Cumiskey W1GRC**

**NEW MEMBER: Gary Cumiskey W1GRC** lives in Bridgewater and works for a local cell phone company where he is involved with maintaining electronic equipment. **Gary W1GRC** is interested in refurbishing HAM equipment and has been a seller at the local Flea Markets

## **CLUB HOUSE PROJECTS**

The Pine Street Clippers, **George Davis KC1FZ** and **Bruce Hayden NI1X**, are seen giving the knee high grass at the Club House a hair cut with the two electric lawn mowers that were donated to Whitman Amateur Radio Club.

Volunteers are needed: **The Bruce NI1X** and **George KC1FZ** usually stop by the Club House on Saturday's just after noon, after the Fox Hunt, to putter around. Bring a weed whacker or hedge-clipper or even better yet bring a ride-on tractor - the Pine Street Clippers are getting to old to have this much fun, all by themselves, on hot days.



**George KC1FZ and The Bruce NI1X**

## ALWAYS READY TO LEND A HELPING HAND



Ron N1PXX & Ken KB1KVL



Custom made clock

Ron Smith N1PXX presented Ken Kavaljian KB1KVL with a beautiful custom made clock for his help in moving and setting up antennas at Ron's N1PXX new QTH. The clock has a picture of Ken KB1KVL wearing earphones and holding a mike along with his call sign and home town engraved in the face and will make a nice addition to Ken's KB1KVL HAM shack.

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## FOX HUNTING - EVERY SATURDAY - FROM 10 AM TO NOON

George Davis KC1FZ decided to do a little genealogy one Saturday morning in July. George KC1FZ was the Fox and was hiding in the Scotland Cemetery located on Rt 104 in Bridgewater where he introduced the Fox Hunters to the final resting place of his father Julian I Davis (1883-1968) and his grandfather George W. Davis (1850-1948). The first clue was when the Fox said he was hiding near some subterranean condominiums.

The Fox transmits on 146.565 MHz for 30 seconds every 5 minutes between 10 am and noon. Listen in from your home QTH, or mobile if you are on the road, and let the Fox Hunters know if you can hear the Fox in your backyard. The Fox Hunters coordinate the start of the hunt on the Bridgewater REPEATER 147.180 MHz



Bruce NI1X, Roy KB1CYV  
and George KC1FZ

## MARSHFIELD FAIR SPECIAL EVENT

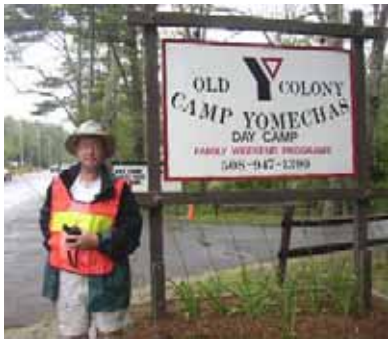
Mark your calendar – the Marshfield Fair Special Event starts on Friday August 19<sup>th</sup> and ends on Sunday August 28, 2005. Bill Hayden N1FRE has volunteered to coordinate a listing of operators for the two or three shift operation.

Friday, Saturday and Sunday shifts will probably be 10 am – 2 pm and 2 pm – 6 pm and 6 pm to 8, 9 or 10 pm depending on what is going on. Monday through Thursday shifts will probably be 12 noon – 4 pm and 4 pm – 8 pm. Contact Bill N1FRE at E-mail [wf.hayden@verizon.com](mailto:wf.hayden@verizon.com) or leave a message at Tel: 781-447-1655.

YMCA CAMP YOMECHAS - MIDDLEBORO MASS. - TRIATHLON - JULY 17, 2005

The Massasoit Club volunteered to provide communication support for the Camp Yomechas Triathlon in July. There were between 300 and 400 participants competing in a 1 mile swim, a 24 mile bike race and a 6 mile road race on a beautiful day in July. A few bikes broke down and there was one report of road rage by a disgruntled local resident that the police talked to and reported that they know quite well. There were five Whitman club members participating.

Seen in the group picture is **Allan Cox K1VQ**, **Carl Aveni N1FY**, **Gil Follett W1GMF**, **Roy Logan KB1CYV** and **Bruce Hayden N11X**. **Phil McNamara N1XTB** is seen at the entrance to Camp Yomechas and **Loren Pimentel N1IQI** is seen at his checkpoint. Not present when the pictures were taken were **Bob Keene N1LCY** and **Peter Curley N1NVV**.



Phil McNamara N1XTB



Loren Pimentel N1IQI



More of the Motley Crew

**The Hoyt team** of Boston Marathon fame were participating. I was told that **Richard Hoyt** towed his son on a raft for the swim portion, then came past my position several times on a tandem bike and finally came by my position with **Richard** pushing the wheelchair we have seen so many times at the Boston Marathon. Their time - 3 hours and 3 minutes.



The Hoyt Team

**Phil McNamara N1XTB** brought his Radios In A Box Go-Kit along with a big battery and a solar panel. The Radios In A Box Go-Kit consists of an ICOM IC 2720 2 Meter / 440 MHz transceiver, an ICOM IC 706 HF rig with an antenna tuner. A Kamtronics KAM XL TNC for PACKET and a power supply along with a power strip.

The performance of the 2-Meter rig was way off as the Amateur Radio Operators could not hear **Carl Aveni N1FY** – the Net Control – on simplex and barely heard him on the Bridgewater Repeater.

After the event the Radios In A Box Go-Kit was pulled apart and a ROOT CAUSE ANALYSIS of the problem was initiated. Each transceiver has a short coax cable that extends outside of the box and it looks like the one barrel connector present was left on the HF rig following Field Day. If the 2-Meter antenna was connected to the HF rig and the 2-Meter rig was operating with a 30-inch coax cable for an antenna - that would explain the poor performance of the 2-Meter rig. Actually it was remarkable that there was no smoke and that the exposed end of the coax cable was able to pick up the Bridgewater REPEATER from South Middleboro. Great fun being a rocket scientist – I mean a Monday morning quarterback.



Go-Kit Radios In A Box



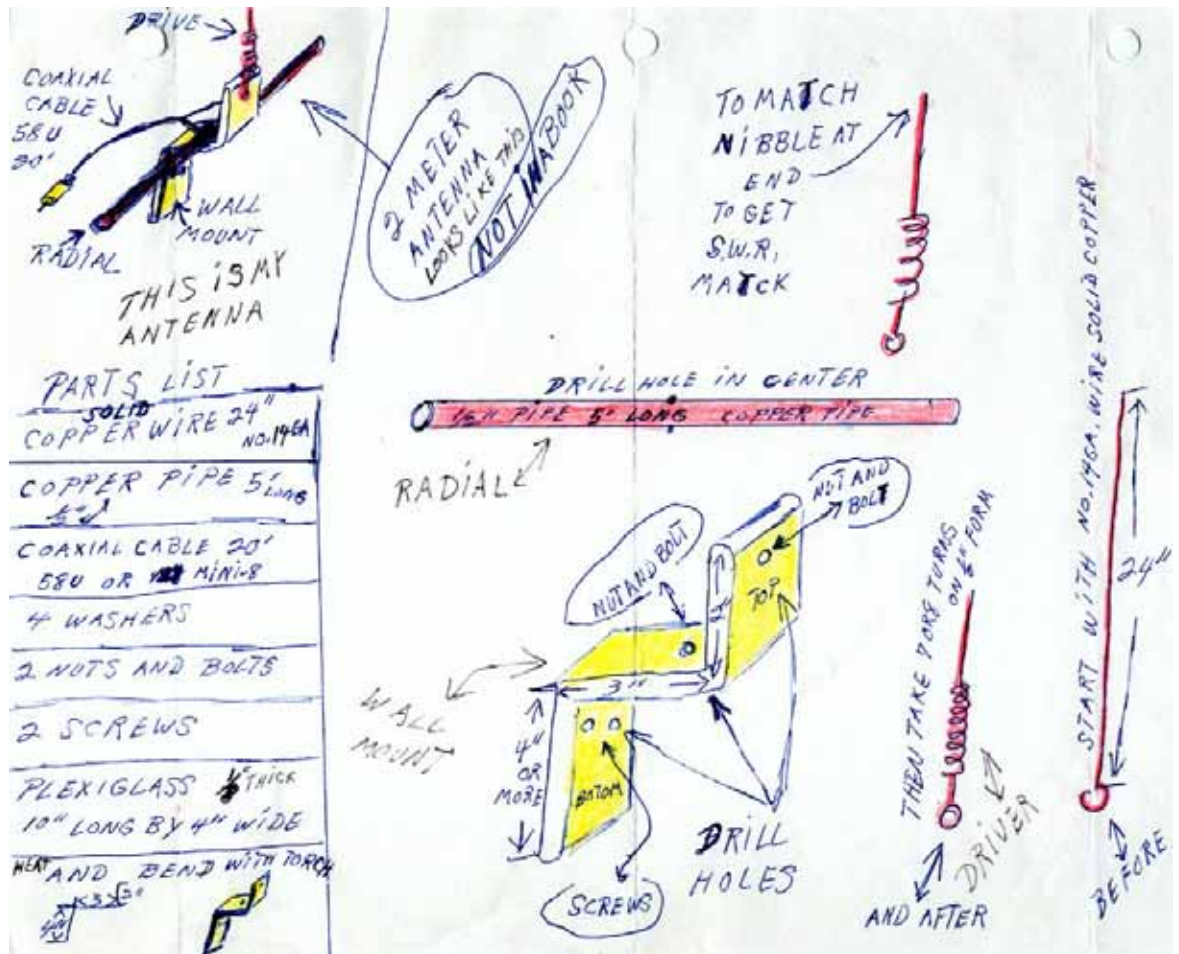
## HELLO FROM BERNIE SNOW N1OQW

**Bernie Snow N1OQW** reports that he is being heard talking to us on a home made 2-Meter / 440 MHz antenna that is mounted on the inside wall at his home QTH in Brockton and that you won't find this design in any book.

**Bernie N1OQW** reported that he used a 24 inch driven element made of #24 solid copper wire that was shortened by taking 7 or 8 turns around a half-inch form. The radial is a 1/2 inch copper water pipe 5 feet long. Both are mounted on a 1/8 inch piece of plexiglass that is 4 inches wide and 10 inches long and that he bent using a torch. **Bernie N1OQW** reported that he nibbled at the end of the driven element to get a better SWR match. Attached is **Bernie's N1OQW** diagram.



**Bernie Snow  
N1OQW**



**FIELD DAY RESULTS:** **Jeff Tracy N1SOM** volunteered to analyze the dupe sheets for Field Day and to turn in the Whitman Club Field Day results to the ARRL. **Jeff N1SOM** reports the breakdown on how we did is as follows; 31 QSO's on 40-Meters CW, 77 QSO's on 80-Meter phone, 20 QSO's on 40-Meter phone, 63 QSO's on 20-Meter phone, 42 QSO's on 20-Meter CW, 24 QSO's on 15-Meter phone and 2 QSO's on 10-Meter phone.

**BONUS POINTS:** 700 points for 100% emergency power and 7 base stations, 100 points for media publicity, 100 points for set up in a public place, 100 points for NTS message sent to ARRL SM/SEC and 100 points for **Jim's WG1L** solar powered station for a total of 1100 bonus points.

**TOTAL POINTS:** (2 X 73 CW QSO's and 1 X 186 phone QSO's) all times a power level multiplier of 2 = a total QSO point score of 664 plus 1100 bonus points for a total score of 1764 points. **7.**



# WHITMAN AMATEUR RADIO CLUB, INC.

A Non-Profit Corporation Serving the Public in Time of Emergency



Post Office Box 48  
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Telephone: (781) 447-1655  
ARRL Club #0082  
Club Call Sign: WAINPO

## MEETING SCHEDULE

**Meetings are held on the first  
Wednesday of each month**

**The next meeting will be held at the  
Whitman Public Library which is  
located at 100 Webster Street  
in Whitman, Mass.**

### Next Meeting

**Wednesday, Aug. 3rd at 6:30 PM  
Whitman Public Library**

## CLUB OFFICERS

<b>President</b>	<b>Bruce</b>	<b>NIIX</b>
<b>V. President</b>	<b>Bill</b>	<b>N1FRE</b>
<b>Secretary</b>	<b>Roy</b>	<b>KB1CYV</b>
<b>Treasurer</b>	<b>Jeff</b>	<b>N1SOM</b>
<b>Director</b>	<b>Steve</b>	<b>W1WSN</b>
<b>Director</b>	<b>George</b>	<b>KC1FZ</b>
<b>Director</b>	<b>Paul</b>	<b>N1VTI</b>

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<b>Editor</b>	<b>Bruce</b>	<b>NIIX</b>
<b>E-mail articles to:</b>	<a href="mailto:niix@arrl.net">niix@arrl.net</a>	

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<b>Web Master</b>	<b>Jeff</b>	<b>N1ZZN</b>
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**Web Site:** <http://www.wa1npo.org>

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Club Repeater Station:	147.225 MHz (CTSS 67 Hz)	449.875 MHz (CTSS 88.5 Hz)
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*Whitman Amateur Radio Club, Inc.  
P.O. Box 48  
Whitman, Ma 02382*





