



# SPECTRUM



The Voice of the Humble Electron

Founded 1962

**PRESIDENT'S MESSAGE:** This is **Paul N1VTI** – The Marshfield Fair Amateur Radio Exhibit Booth and Special Event Station was a great success with 31 Whitman Club members (out of 102 total members) and 1 area HAMS participating. See the Marshfield Fair Special Issue Newsletter.



**Paul Burbine  
N1VTI**

Saftler's Fund Raising Flea Market was also great success with 39 Whitman Club Members and 24 area HAMS stopping by to help man the club table and help put **WA1NPO** - the Whitman Club Station - On-the-Air. See the Saftler's Flea Market Special Issue newsletter.

The Fox Hunters were active with two Fox Hunts in August. Volunteering to be the Fox were **Bruce Hayden NI1X** and the team of **Roy Logan KB1CYV** and **Barbara Rice K1MRH**. **Roy Logan KB1CYV** and **Bruce Hayden NI1X** gave a presentation on Fox Hunting to the Genesis Club.

The Whitman Amateur Radio Club was mentioned in a JOTA photo in QST magazine and in a Whitman Express newspaper photo / caption article about the Harvard Pilgrim Health Care Community Spirit Grant. Great publicity – promoting amateur radio.

The SKYWARN Observers were active and the Emergency Management Agency volunteers were on standby for Hurricane Danny, that passed us by and gave us rain only.

At the September meeting **Matt Paine KB1OSV** reported on his radioactive vacation to Prince Edward Island, Canada. Come to the next meeting and share your radioactive projects and adventures with the other members present. We will be planning for the Scouting Jamboree On The Air (JOTA) and NEAR-Fest VI activities.

**73 From: Paul N1VTI**



**John Duprey KB1SVY**

**NEW MEMBER:** **John Duprey KB1SVY** lives in Whitman with his wife **Michelle** and just received his Technician Class License in August. **John KB1SVY** is now looking for his first radio.

**NEW MEMBER:** **Larry Leblanc WA1MWF** lives in E. Bridgewater with his wife **Jeannie** and has been licensed since the early 1970's. **Larry WA1MWF (Monday, Wednesday, Friday)** reports that he does not have any antennas up in the air and wants to get back On-The-Air with his ICOM IC-745 transceiver and Heathkit HW-8 QRP rig.



**Larry Leblanc WA1MWF**

## SECRETARY'S NOTES OF THE MEETING OF September 2, 2009 de N1ZZN

**OPENING:** The members started gathering at the Whitman Public Library, Whitman, MA around 6:10 p.m. President **Paul N1VTI** opened the meeting at 6:30 p.m.

**ATTENDANCE:** Forty-one members / guests were present, including the four elected Officers and the four Directors. A quorum was present.



Jeff Lehmann  
N1ZZN

<b>K1AWB</b>	<b>Steve Laroe</b>	<b>SWL</b>	<b>Colben Laroe (guest)</b>		
<b>K1MRH</b>	<b>Barbara Rice</b>	<b>K1HTN</b>	<b>Bruce Beaman (guest)</b>		
<b>K1REL</b>	<b>Bob Loring</b>	<b>KB1CHW</b>	<b>John Coombs Jr.</b>		
<b>K1WGU</b>	<b>Bob Bass</b>	<b>W1EKG</b>	<b>Ross Hochstrasser</b>		
<b>KA1EUI</b>	<b>Jim Tovet</b>	<b>KB1REQ</b>	<b>Jeremy Breef-Pilz</b>		
<b>KB1CYV</b>	<b>Roy Logan</b>	<b>WQ1L</b>	<b>John Coombs</b>		
<b>KB1IKH</b>	<b>Elayne Tovet</b>	<b>KB1KVL</b>	<b>Ken Kavaljian</b>	<b>KB1MOC</b>	<b>Kevin Dykes</b>
<b>KB1MTW</b>	<b>Paul Moss</b>	<b>KB1NAX</b>	<b>Joan Smith</b>	<b>KB1OEQ</b>	<b>Ron Stundze</b>
<b>KB1ODS</b>	<b>John Chase</b>	<b>KB1OSV</b>	<b>Matt Paine</b>	<b>KB1PHN</b>	<b>John Murphy</b>
<b>KA1PJX</b>	<b>Don Keene</b>	<b>KB1SVY</b>	<b>John Duprey</b>	<b>KC1FZ</b>	<b>George Davis</b>
<b>KC1ML</b>	<b>Mark Loring</b>	<b>N1FRE</b>	<b>Bill Hayden</b>	<b>N1NTZ</b>	<b>Ed Meehan</b>
<b>N1OGP</b>	<b>Frank Hayes</b>	<b>N1OYH</b>	<b>Carl Davis</b>	<b>N1PXX</b>	<b>Ron Smith</b>
<b>N1SOM</b>	<b>Jeff Tracy</b>	<b>N1VTI</b>	<b>Paul Burbine</b>	<b>N1WIG</b>	<b>Sam Webber</b>
<b>N1ZZN</b>	<b>Jeff Lehmann</b>	<b>NI1X</b>	<b>Bruce Hayden</b>	<b>NM1F</b>	<b>Jim Ford</b>
<b>W1AKN</b>	<b>Jack Buckley</b>	<b>W1GRC</b>	<b>Gary Cumiskey</b>	<b>WA1MWF</b>	<b>Larry Leblanc</b>
<b>WA1ZKK</b>	<b>Al Craddock</b>	<b>WG1L</b>	<b>Jim O'Rourke</b>		

**TREASURER'S REPORT:** The Treasurer's report for August was read by **Jeff N1SOM**. **Ed N1NTZ** made a motion seconded by **Ken KB1KVL** that the Treasurer's report be accepted as read. The motion was approved.

**SECRETARY'S REPORT:** A motion was made by **Bruce NI1X** seconded by **Jim WG1L** that the August Secretary's report be accepted as published in the newsletter. The motion was approved.

**NEW MEMBERS:** **Al WA1ZKK** made a motion that **John Duprey KB1SVY** and **Larry Leblanc WA1MWF** be accepted as new members, and that **Greg Noyes KB1OAW**, **Dan Noyes KB1OAY**, and **Kevin Dykes KB1MOC** be accepted as reinstated former members. **Bruce NI1X** seconded the motion, and it was approved.

**OLD BUSINESS:** **Bill N1FRE** reported that Marshfield Fair was a success, with 31 club members participating in the event. **Bruce NI1X** reported that the special event newsletter for the event is now available on the website. Ideas for next year's Fair were discussed. **Bruce NI1X** reported that **Jeff N1ZZN** will be the fox in the next Fox Hunt on Saturday, Sept. 12 at 10 AM, towns TBA. It was also discussed about possibly having a gathering to build fox hunting antennas. **Bruce NI1X** also reported that he and **Roy KB1CYV** did a Fox Hunting demonstration at a Genesis ARS meeting. **Jeff N1SOM** reminded everyone that the Labor Day weekend Saftler's Flea Market is this weekend Sept. 6<sup>th</sup> & 7<sup>th</sup>. **Jeff N1SOM** took care of the newspaper articles, and arranging for the portable toilet. **Ross W1EKG** got the necessary permit from the town of Whitman. **Paul KB1MTW** is looking for volunteers to help load up items for the flea market on Saturday afternoon around 1 PM. **Paul KB1MTW** reported that there will be an amateur radio demonstration set up by the Genesis ARS at Camp Squanto on Sept. 19<sup>th</sup>. **Paul KB1MTW** also reported that JOTA will be on October 17-18, with a set up at Camp Norse in Kingston.

## SECRETARY'S NOTES OF THE MEETING OF September 2, 2009 Cont: de N1ZZN

**OLD BUSINESS Cont:** Jim KA1EUI reported that the EchoLink is working again on the repeater. Jeff N1ZZN suggested getting the WA1NPO-R call sign to avoid confusion with finding the Whitman repeater. Roy KB1CYV reported that the DW Field Park Triathlon will be on Sunday, Sept 20<sup>th</sup>, and that volunteers with portable 2-meter radios (HTs) are needed, starting at 7 a.m.

**NEW BUSINESS:** The Deerfield, NH NEAR-Fest VI hamfest will be on October 16-17 (Friday-Saturday). Paul KB1MTW, Paul N1VTI, and John KB1PHN volunteered to once again man the club table. Ross W1EKG will try to get a group of tickets and car passes. Bruce N1IX reported that Bill Needham K1WN will be holding a VE Session at the Watson Building (Home of the K1USN Radio Club) in Braintree on Saturday, Sept. 12<sup>th</sup> at 9 a.m. Contact Bill K1WN if you are interested in taking an exam. Gary W1GRC reported that the SEMARA club will be holding their flea market on Sunday, Sept 13<sup>th</sup> at their clubhouse in Dartmouth, talk in on 147.000+ PL 67. Ken KB1KVL reported that the Genesis Club will be holding a General Cass question pool review in 3 sessions on Oct 3, 10, and 17. Barbara K1MRH reported that there will be a CERT class for Halifax, Plympton, and Middleboro in Halifax. Matt KB1OSV reported that his trip to the Maritimes was interrupted by heavy rain, and was unable to make as many HF contacts as he would've liked. Matt KB1OSV also reported that the September ARRL VHF Contest will be held on the weekend of Sept 12-13, with most activity on 6 and 2 meter SSB.

**CLUB EQUIPMENT:** Paul KB1MTW reports that all club equipment is accounted for. Any club member can contact Paul KB1MTW on the repeater, email, or phone if they would like to borrow a piece of the club's equipment.

**NET CONTROLS:** 9/6: Jeremy KB1REQ (at Saffler's) 9/13: Steve K1AWB 9/20: Ron N1PXX  
9/27: Roy KB1CYV 10/4: Jim KA1EUI

**CLOSE:** President Paul N1VTI closed the business meeting at 7:40 p.m. on a motion by Ed N1NTZ seconded by John KB1PHN. The motion was approved.

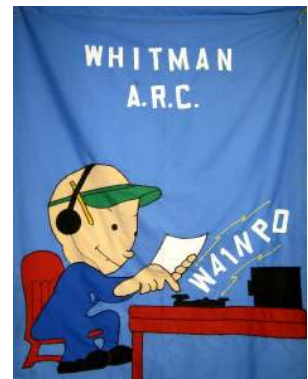
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### WHITMAN AMATEUR RADIO PUBLIC SERVICE NET

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. In August we had 5 sessions with an average of 15 area HAMs checking in each week and 9 messages were sent. Make up an NTS traffic message and send one to a friend.

John Chase KB1ODS checked in from Telegraph Hill on Martha's Vineyard. The EchoLink connection to the Whitman REPEATER is back in operation at Jim's KA1EUI QTH in Holbrook as KA1EUI-R



**Sending N1IX  
an update**

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**HEATH & WELFARE:** Ron Smith N1PXX reports that his wife Joan KB1NAX took a fall and broke two ribs in late August. We all wish you a speedy recovery Joan KB1NAX.



**Bruce NI1X**  
**Wayne N1MAG**  
**Roy KB1CYV**

**Barbara K1MRH**  
**Don K1DC**  
**Bill N1FRE**

**John KB1PHN**  
**Walter W1WCF**  
**Kevin KB1MOC**

**Joe KA1JBE**  
**Dino KB1RXQ**  
**Mike K1MRG**

Not present when the picture was taken were **Ed Meehan N1NTZ**, **Jeff Lehmann N1ZZN** and **Wayne's N1MAG** father **Don SWL**.

**The Bruce NI1X** was the Fox and was hiding in the Pleasant Hill Cemetery in West Bridgewater - just off Rt. 106 - just west of Rt. 24 - behind the Park and Ride parking lot. First in with a time of 35 minutes was **Ed N1NTZ** who was followed by **Jeff N1ZZN** in 39 minutes. Next came the team of **Roy KB1CYV** and **Barbara K1MRH** in 50 minutes. They were followed by the team of **Joe KA1JBE**, **Dino KB1RXQ** and **Mike K1MRG** in 1 hour 3 minutes. Next came **Kevin KB1MOC** in 1 hour 12 minutes followed by **Walter W1WCF** in 1 hour 15 minutes. A new Fox Hunter **Wayne N1MAG** and his father **Don SWL** came in at 1 hour and 31 minutes. Arriving at the 2-hour mark were **Bill N1FRE**, **John KB1PHN** and **Don K1DC**.

**Don K1DC** reports he spotted the Fox Hunters outside his house and grabbed his radio and headed out. **Joe KA1JBE** and **Dino KB1RXQ** were experimenting using the GPS map to triangulate the Fox's Den and now that they have got the bugs worked out they are looking forward to trying again.

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### **SCUTTLEBUTT -- SCUTTLEBUTT -- SCUTTLEBUTT**

**Jim Madden KB1PFL** reports that he used his spud gun Rocket Launcher and with the help of **Paul Moss KB1MTW**, put up ropes, installed a G5-RV all band Dipole and is back On-The-Air on HF. First contact was with Pennsylvania.

**Steve Laroe K1AWB** picked up a Mirage MX44 10-Meter Transceiver and is looking for documentation.

**Ron Smith N1PXX** reports that the Duxbury Emergency Operations Center antennas have been installed and a new Emergency Operations Center situation room built.

## TECHNICAL TOPICS

### THE “YO – YO” EMERGENCY DIPOLE ANTENNA By: Jim Madden KB1PFL



**Jim Madden KB1PFL**

I purchased two carpenter’s plum lines (Irving Strait Line) and replaced the string with small flexible stranded copper wire and made a Yo Yo adjustable length dipole HF antenna. A great “Go Kit” Special.



The Whitman Amateur Radio Club and Taunton Area Communication Group were mentioned in the September issue of QST magazine Pg. 61. The picture and caption was submitted last year by **Don Burke KB1LXH** of the TACGroup.

### JAMBOREE ON THE AIR (JOTA) 2009

#### Preparing for JOTA 2009, Scouts look back on JOTA 2008

DCN BURKE KB1LXH



**Article by: Debra Johnson, K1DMJ**

The Taunton (Massachusetts) Area Communications Group with the Whitman Amateur Radio Club teamed together to provide Scouts a chance to participate in JOTA at Camp Norse. Paul Moss, KB1MTW, of Whitman, the control operator, holds the microphone while Assistant Cub Master Don Burke, KB1LXH, Pack 49 Taunton, watches as his son, Webelos Scout Noah Burke, 10 years old, speaks on the air.

Refer to ARRL’s Scouting ([www.arrl.org/scouts](http://www.arrl.org/scouts)) and JOTA ([www.arrl.org/scouts/jota](http://www.arrl.org/scouts/jota)) Web pages for general information, frequencies and suggestions on ham radio related activities. And don’t forget to write an after action report for our “JOTA Story” page at [www.arrl.org/scouts/jota/Stories](http://www.arrl.org/scouts/jota/Stories). You’ll find more stories and photos there that have been shared from previous JOTA activities.

QST

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## ANTENNA PARTY -- HAMS ARE ALWAYS READY TO LEND A HELPING HAND

**Jim Madden KB1PFL**, **Paul Moss KB1MTW** and **Bruce Hayden NI1X** reported that they helped replace an antenna for area HAM **John Miller N1UMJ**. HAMS are always ready to lend a helping hand.



**ANTENNA PARTY:** **Jim Madden KB1PFL** volunteered to help **John Miller N1UMJ** replace his G5-RV antenna with a new all band Cobra Ultralite Senior HF antenna and raise up a 40-Meter dipole in his backyard. **Jim KB1PFL** used his Spud Gun Launcher to put a line over the tallest tree. Also helping out were **Paul Moss KB1MTW** and **Bruce Hayden NI1X**, with **The Bruce NI1X** taking the pictures. Remember – It did not happen if I do not get a picture..

**John N1UMJ** reports: “Well, I just hooked up the antenna, it's playing pretty well but not on 160 which doesn't surprise me because of how the ladder line is bunched up. No big deal. My external tuner will take care of that. It doesn't tune on 20 either for some reason. I'll have to play with that ladder line a little but the external tuner can take care of those 2 bands for now. Still, either the bands are better for me tonight as a new antenna special, or I really needed that extra height, that 40 meter dipole is playing now too, it tuned on the other spot but really didn't play at all. The SWR is a tiny bit higher now, 1.4 instead of 1.1, like I care - its still way in the safe range and it actually works.

You don't know how close I came to saying take the 40-Meter dipole down because it wasn't working very well anyway. It is now, thanks guys. If I can ever return the favor, call, email, what ever. I think the NTS guys will be impressed, and I had one of the biggest signals before. Oh, and the RFI on 40 with my computer speakers is gone too. That was my first hint something was failing, that's been a very reliable sign for me over the years with that antenna.

Anyway, thanks, hopefully this will all work for a while and I won't have to worry about it for a long time”

**SOUTH SHORE FOX HUNT - SATURDAY - AUGUST 22, 2009 By: The Bruce NI1X**



**Ron Stundze KB1OEQ**

**Bill Hayden N1FRE**

**Barbara Rice K1MRH**

**Jeremy Breef-Pilz KB1REQ**

**Jeff Lehmann N1ZZN**

**Kevin Dykes KB1MOC**

**Roy Logan KB1CYV**

**Bruce Hayden NI1X**

Roy Logan KB1CYV and Barbara Rice K1MRH were the Foxes for the day on Saturday, August 22, 2009 and were hiding in Luddam's Ford Park in Hanover on Water Street at the Indian Head River on the Pembroke boarder

First into the Foxes Den was Jeff N1ZZN with a time of 24 minutes followed closely by the team of Bruce NI1X and Jeremy KB1REQ in a time of 27 minutes. Next in was Kevin KB1MOC in 32 minutes who was closely followed by the team of Bill N1FRE and Ron KB1OEQ in a time of 35 minutes. Next was the team of Tom KB1TOM and Kevin K1KOD in a time of 65 minutes and last but not least was Wayne N1MAG in a time of 80 minutes. Great fun.



**Tom Wilson KB1TOM**

**Kevin O'Donnell K1KOD**

**Wayne Galvin N1MAG**



Tom KB1TOM had built a tape measure beam and was trying it out for the first time. Next he needs an attenuator.

← Roy Logan KB1CYV reports that there was a real live Fox at his QTH. It goes to show – you never know when the Fox will be hiding in your back yard. Pick up a BNC to PL-239 connector or SMA to PL-239 connector for your handheld, make a paperclip antenna and come on out – who knows you might like it.

## VACATION TO PRINCE EDWARD ISLAND IN NOVA SCOTIA, CANADA

By: Matt Paine KB1OSV

**Matt Paine KB1OSV** reports: "From Tuesday, August 18th through Sunday, August 23rd I was on my annual vacation to the Province of Nova Scotia in Canada. As time and weather permits, I try to operate portable from Smith's Cove just outside Digby, Nova Scotia on the Bay of Fundy. This year, like last year, the weather conspired against me and was I not able to operate my portable station. Each day, except Friday my travel day, the temperature climbed into high 80's and lower 90's with dew points exceeding 70 degrees. Even along the Bay of Fundy, after 20 minutes in the sun, you were roasted. Yes, I got a bad sunburn! With Hurricane Bill approaching, I realized by Sunday, August 23rd that I might have to cut my vacation short and not travel to Cape Breton as originally planned. Early on Sunday morning, after spending 4 hours to find a hotel room in Truro, Nova Scotia, I awoke to driving heavy rain and wind gust 30-60MPH. I decided then to head home but chatted up several local two-meter repeaters along the highway through Nova Scotia and New Brunswick passing weather reports and driving conditions. The wind let up the further I headed inland but the rain never really stopped until I reached Bangor, Maine several hours later. In fact the sun came out and the rest of the drive home was uneventful.



**Matt Paine KB1OSV helping to put WA1NPO ON-THE-AIR at Saftler's Flea Market**

The second and final part of my vacation was spending a day / night out in western Massachusetts on August 27th at a place called Arunah Hill Nature and Science Center in Cummington, Massachusetts. I am a member of Arunah Hill, which in fact is a 2000-foot mountain with a line of sight to 5 New England States, and have access to this location any time I want. I set up my Outbacker antenna and radio for 20 meters and immediately noticed band conditions on that day were horrible. Despite this, in the three hours that I operated I made five contacts:

**Neil K4VHE** in Georgia, **Laz CO2WL** in Cuba, **Tab KR4RR** in Tennessee, **K9UA** - Maritime Net and **Merryl N5VA** in New Mexico. End of report."

**73 Matt KB1OSV**

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**GENERAL CLASS STUDY GROUP:** The Genesis Club will be holding a General Class Study Group on Saturdays at 9:30 a.m. on October 3rd, 10th and 17th. There will be a VE Testing Session held on October 17th. The location is the Plymouth Airport community room (building on the right as you drive in). Contact **Bob Woodbury N1COP** at E-Mail [n1cop@arrl.net](mailto:n1cop@arrl.net) for further details

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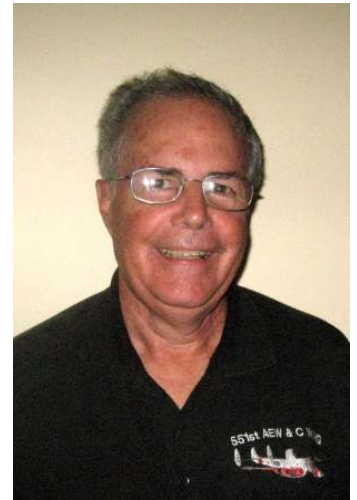
### **AMATEUR RADIO EMERGENCY SERVICE (ARES) UPDATE**

**TECHNICIAN CLASSES:** **Phil McNamara N1XTB** has volunteered to be the instructor for Technician Classes being given to Middleboro Area Medical Reserve Corp and Community Emergency Response Team (CERT) volunteers from Halifax and Plympton. Classes will be held on Wednesday nights starting September 16th and lasting through October 21st. Contact **Phil N1XTB** if you want further details. E-Mail [n1xtb@powersrvcs.com](mailto:n1xtb@powersrvcs.com)



## SUPRISE VISIT FROM BRUCE BEAMAN K1HTN

**Bruce Beaman K1HTN** is a former Whitman club member who retired and moved from East Bridgewater to the lake Ossipee area of New Hampshire about 7 years ago. **Bruce K1HTN** and his wife **Barbara** have children still living in this area and were visiting which gave **Bruce K1HTN** a chance to stop in at the September meeting and renew old acquaintances. **Bruce K1HTN** says he reads all the Whitman club SPECTRUM newsletters and keeps up on the radioactive adventures of the Whitman club members.



**Bruce Beaman  
K1HTN**

**Bruce K1HTN (Horse Traders Net)** reports: "I retired December 31, 1999, after 36 plus years with IBM service, Boston. I had done 4 years in the USAF from 1959 to 1963 before that. I was licensed in May 1958 just as I was graduating high school in Pittsfield, MA. so I have had this call over 51 years now, starting with **KN1HTN**, Novice call in 1958

I got lucky in the Air Force and was an airborne radio op on radar connies, RC-121-D's out of Otis AFB Cape Cod (K1AIR) and then to a ground control station for the services in Alaska. (KL7AIR) Doing a little Aero Mobile from the Connies with a Collins 618S1 100 watts to a 76 foot long wire from the cockpit to one of the outer stabilizers on the tail. Hamming from Elmandorf AFB, out side Anchorage, from 1961 to 1963, A high point in propagation, was super. Had a Heath DX-100 transmitter and a Hammarlund HQ-170 Receiver with a center loaded whip out the 3rd floor window in the barracks and complete Collins station, KW-1 AM/CW KW, KWS-1 KW transmitter with 75A4 receiver, and 2 KWM-2A's with 30L1 desktop amps at 1KW PEP to a 13 element Log Periodic at 110 feet, a 3 wire Rhombic with 270 feet on a leg at 100 feet thru a Johnson Matchbox KW tuner, 600 ohm open wire feed, and call sign KL7AIR...FUN

In the November 1962 ARRL Sweepstakes Contest, I won first place in the Alaska Section, as KL7AIR. This was a 2-weekend event then and I only operated the first weekend as the Cuban Crisis occurred just before the second weekend and we were all on high alert and the station was only for MARS traffic. Many fond memories of my Air Force years. K5TYP, K1AIR, KL7AIR times.

Sure was great to see all of you again at the September club meeting in Whitman. A lot of familiar faces and calls."



### 73's From: Bruce K1HTN

ARRL LM QCWA-26937 10-X # 1344

[BBatossipee@roadrunner.com](mailto:BBatossipee@roadrunner.com) -OR- [k1htn@arrl.net](mailto:k1htn@arrl.net)



**Greg Noyes  
KB1OAW**

### REINSTATED FORMER MEMBERS

The picture of **Dan KB1OAY** is three years old and we are due for an update.

Welcome back .



**Dan Noyes  
KB1OAY**



**Kevin Dykes  
KB1MOC**

# FOX HUNTING PRESENTATION

By: Bruce Hayden NI1X and Roy Logan KB1CYV

**Bruce Hayden NI1X** and **Roy Logan KB1CYV** accepted an invitation to give a presentation on Fox Hunting at the Genesis Club meeting in August. The presentation focused on the talking points listed below and went into detail on what techniques were used to find the source of interference on the Plymouth REPEATER in July.



**Bruce NI1X with John's WQ1L  
2-Meter three element quad  
directional antenna**



**Roy Logan KB1XYV explaining  
the operation of the "Searcher"  
a directional finding antenna**

**1. MONITOR THE FOX FREQUENCY:** At the start of the Fox Hunt – even if you can not participate – set your handheld or your mobile rig to 146.535 MHz and see if you can hear the Fox. Let the South Shore Fox Hunters know on the Whitman REPEATER 147.225 MHz PL 67 if you can hear the Fox or not. This is valuable information. You never know when the Fox will be hiding in your back yard.

**2. HANDHELD – BODY FADING:** Some people can body fade. When they place their body between the Fox and their handheld – they can see a slight dip in the S-Meter reading. The S-Meter is a series of small black square LEDs that light up on the panel of newer radios and range from one to nine LEDs depending on signal strength. Others have tried placing some kind of metal shield behind their handheld rubber duck antenna to make it directional.

### **3. BEAM ANTENNA:**

- A. Some HAMs use a commercial 4 element 2-Meter YAGI Beam.
- B. Many area HAMs have made the 3-element Tape Measure Beam – See details below.
- C. **John Coombs WQ1L** designed a 2-element 2-Meter quad beam antenna that can be expanded to a 3-element 2-Meter Quad.
- D. Others have made a similar 4-element 2-Meter quad antenna using PVC pipe and fittings.

**4. ATTENUATOR:** I have a commercial in line attenuator that allows me to add attenuation in increments of 1dB, 2dB, 3dB, 5dB, 10dB, 20dB, 20dB, 20dB and 20Db for a total of 101dB. There are also single value 20dB in line attenuators available.

**5. PAPER CLIP ANTENNA:** Smaller and smaller paper clip antennas make a good attenuator. When you can read the Fox's signal at S-9 with no antenna – stop the car – you are within walking distance of the Fox. Pick up a connector that fits your HT that has a hole in it that will take a folded up paper clip. (SMA to PL-239 or BNC to PL-239). A safety pin will work just as well.

## FOX HUNTING PRESENTATION Cont:

**6. SEARCHER:** There are several commercial directional-finding kits available. One is the "SEARCHER" purchased from [www.rainbowkits.com](http://www.rainbowkits.com) and modified.

**7. MAPS and TRIANGULATION:** A good map is very helpful. Using a compass and protractor, you can plot a line from your location in the direction of the Fox's signal. Travel to a second location and take another reading. Now plot the second line from the new location and where the two lines cross (triangulation) should be the location of the Fox's Den.

**8. DON'T BELIEVE ANYTHING THE FOX SAYS:** Trust your equipment. Ignore the sounds of the train whistle in the background or the reports of shopping carts being blown across the parking lot and crashing into parked cars or that the Fox is located near a large body of water.

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## UPCOMING EVENTS

**SEPT. 19<sup>th</sup> - Camp Squanto Scouts** – The Genesis Club is going to operate from Camp Squanto at a Boy Scout activity and they are looking for additional help. If you are available and want to help, contact **Bob Woodbury N1COP** at E-Mail [n1cop@arrl.net](mailto:n1cop@arrl.net) for further details.

**SEPT. 20<sup>th</sup> - D. W. FIELD PARK TRIATHLON -:** The Massasoit Club (MARA) has again been requested to provide communications support for the Brockton Triathlon which will be held on September 20<sup>th</sup>. The race will start at 9:00 a.m. and the volunteers will need to meet at the Oak Street entrance parking lot by 7:30 a.m. in order to get assignments and be in place. If you can participate please reserve this date and let **Carl Aveni N1FY** know at E-Mail [caave@peoplepc.com](mailto:caave@peoplepc.com)

**SEPT. 27<sup>th</sup> – YMCA – FALL FROLIC:** The Massasoit Club (MARA) has again been requested to provide communications support for the East Bridgewater Fall Frolic Road Race. All area HAMs are invited to participate. If you are available please let **Carl Aveni N1FY** know at E-Mail [caave@peoplepc.com](mailto:caave@peoplepc.com)

**OCT. 3<sup>rd</sup> - EMCCOM WORKSHOP:** There will be an Emergency Communications Workshop on Saturday, October 3<sup>rd</sup>, 2009 from 9:00 a.m. -4:00 p.m. at the Acushnet Emergency Management Agency on 14 Thomas Street in Acushnet Massachusetts. For any additional information and to pre-register for the workshop, please contact: **KA1RSY-Ed Caron** [ka1rsy@comcast.net](mailto:ka1rsy@comcast.net) or **KD1CY-Rob Macedo** [rmacedo@rcn.com](mailto:rmacedo@rcn.com)

**OCT. 16<sup>th</sup> & 17<sup>th</sup> NEAR-Fest VI Flea Market** – Deerfield, NH. See [www.near-fest.com](http://www.near-fest.com) for details.

**OCT. 17<sup>th</sup> Camp Norse Boy Scout Jamboree On The Air (JOTA).** Contact **Paul Moss KB1MTW** if you are able to help set up a Special Event Station and put Scouts On-The-Air at Camp Norse in Kingston on Saturday, Oct. 17<sup>th</sup>. **Paul KB1MTW** is usually monitoring the Whitman REPEATER.

**OCT.17<sup>th</sup> -- ANTIQUE RADIO SWAP MEET:** Sponsored by the New England Antique Radio Club 7:30 a.m. \$10.00 8:30 \$3.00 to noon. Manchester Bingo Center 165 John E. Devine Drive, Manchester, NH. Use Rt. 93 to Rt. 293 to Exit 1. Turn North on Rt. 28. At second traffic light turn left onto John E. Devine Drive

**NOV. 18<sup>th</sup> Talk by Mish Michaels:** A joint meeting has been planned between the Whitman and Massasoit clubs. **Carl Aveni N1FY** of the Massasoit club has made arrangements for **Mish Michaels**, WBZ meteorologist, to talk on her research on tornados in New England. **Paul Moss KB1MTW** has made arrangements to hold the talk at the Whitman Hanson High School on November 18, 2009 at 7 p.m. Please sign up with **Carl Aveni N1FY** at [caave@peoplepc.com](mailto:caave@peoplepc.com) if you will be able to attend this talk by **Mish Michaels**.



# WHITMAN AMATEUR RADIO CLUB, INC.

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



Post Office Box 48  
Pine Street  
Whitman, MA 02382

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, Oct. 7th at 6:30 p.m.  
Whitman Public Library

## CLUB OFFICERS

President	Paul Burbine	N1VTI
V. President	Paul Moss	KB1MTW
Secretary	Jeff Lehmann	N1ZZN
Treasurer	Jeff Tracy	N1SOM
Director 2010	John Murphy	KB1PHN
Director 2011	Roy Logan	KB1CYV
Director 2012	Barbara Rice	K1MRH
Director Past Pres	Bruce Hayden	NIIX

Editor Bruce NIIX

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Web Master Jeff N1ZZN

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Club REPEATER 147. 225 MHz PL 67  
Club EchoLink KA1EUI-R Whitman Repeater

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