



# SPECTRUM



The Voice of the Humble Electron

Founded 1962

**PRESIDENT'S MESSAGE:** This is **Paul N1VTI**. We were all saddened to learn that **Bob Barbour K1BAR** became a Silent Key in July. **Bob K1BAR** will be missed by all.

Having fun were the Fox Hunters with three Fox Hunts since the last meeting. Volunteering to be the Fox were **Jeff Lehmann N1ZZN** and **Gary Cumiskey W1GRC** along with **Roy Logan KB1CYV** and **Barbara Rice K1MRH** and also **Bruce Hayden N1IX** and **Jeremy Breef-Pilz KB1REQ**.



**Paul Burbine**  
**N1VTI**

On the Public Service side of amateur radio, I volunteered to help the Massasoit Club provide communication support at the Middleboro YMCA Triathlon along with Whitman Club members **Bruce Hayden N1IX**, **Bob Loring K1REL**, **Jim Tynan KC1JET**, **Roy Logan KB1CYV** and **Phil McNamara N1XTB**. **Bruce N1IX** reported on First Monday of the Month RADIOGRAM Training.

At the August meeting **Elayne Tovet KB1IKH** presented the Club with a Harvard Pilgrim Health Care Foundation – Community Spirit 9/11 Mini-grant of \$500.00, **Jeff Lehmann N1ZZN** gave a presentation on the 900 MHz radio system in this area, **John Chase KB1ODS** showed the members his Fox Hunting antenna and **Ross Hochstrasser W1EKG** showed his modified Spud Gun Launcher. Next the Club members will be manning the Amateur Radio Exhibit Booth and Special Event Station at the Marshfield Fair. Come to the next meeting and share your radioactive projects with the other members.

**73 – From: Paul N1VTI**

**SILENT KEY:** **Bob Barbour K1BAR** became a Silent Key in July at the age of 73, while attending a family wedding in Florida.

Some of us met **Bob K1BAR** in 2003 at the Taunton Emergency Management Agency (TEMA) where **Bob K1BAR** was a volunteer in support of the Plymouth Nuclear Power Plant evacuation plan. **Bob K1BAR** was a Red Cross Volunteer and was experienced in Shelter Management.

**Bob K1BAR** took the Technician Classes sponsored by TEMA with **Carlos Wharton WP4US** as the instructor and received his Technician Class license in 2004. **Bob K1BAR** soon applied for the vanity call sign **K1BAR**.



**Bob Barbour K1BAR – Silent Key**  
**Building the Tuna Tin Two QRP Rig**

**Bob K1BAR** joined the Whitman Club in 2005 and upgraded to General in 2007. **Bob K1BAR** was also a member of the Taunton Area Communication Group. **Bob K1BAR** shared our interest in this fascinating hobby and will be missed by family and friends

## SECRETARY'S NOTES OF THE MEETING OF August 5th, 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:** Thirty-two members / guests were present, including the four elected Officers and the four Directors. A quorum was present.

<b>K1AWB</b>	<b>Steve Laroe</b>	<b>SWL</b>	<b>Colben Laroe (guest)</b>
<b>K1MRH</b>	<b>Barbara Rice</b>	<b>K1REL</b>	<b>Bob Loring</b>
<b>K1VU</b>	<b>Bob Johnson</b>	<b>KA1EUI</b>	<b>Jim Tovet</b>
<b>KB1CHW</b>	<b>John Coombs Jr.</b>	<b>KB1CYV</b>	<b>Roy Logan</b>
<b>KB1IKH</b>	<b>Elayne Tovet</b>	<b>KB1IUU</b>	<b>Bill Spear (guest)</b>
<b>KB1MTW</b>	<b>Paul Moss</b>	<b>KB1NAX</b>	<b>Joan Smith</b>
<b>KB1OAW</b>	<b>Greg Noyes</b>	<b>KB1OAY</b>	<b>Dan Noyes</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>KB1QEM</b>	<b>John O'Neill</b>	<b>KC1JET</b>	<b>Jim Tynan</b>
<b>N1FRE</b>	<b>Bill Hayden</b>	<b>N1PXX</b>	<b>Ron Smith</b>
<b>N1SOM</b>	<b>Jeff Tracy</b>	<b>N1VTI</b>	<b>Paul Burbine</b>
<b>N1ZZN</b>	<b>Jeff Lehmann</b>	<b>NI1X</b>	<b>Bruce Hayden</b>
<b>SWL</b>	<b>John Duprey (guest)</b>	<b>W1EKG</b>	<b>Ross Hochstrasser</b>
<b>W1GQN</b>	<b>Jim Havens</b>	<b>WA1MWF</b>	<b>Larry Leblanc (guest)</b>
<b>WA1ZKK</b>	<b>Al Craddock</b>	<b>WQ1L</b>	<b>John Coombs</b>



Jeff Lehmann  
N1ZZN

**TREASURER'S REPORT:** The treasurer's report for July was read by **Jeff N1SOM**. **Bill N1FRE** made a motion seconded by **Ross W1EKG** that the treasurer's report be accepted as read. The motion was approved.

**SECRETARY'S REPORT:** A motion was made by **Barbara K1MRH** seconded by **Jim KC1JET** that the July secretary's report be accepted as published in the newsletter. The motion was approved.

**HEALTH & WELFARE:** **Barbara K1MRH** reported that a card and flowers was sent to the family of **Bob K1BAR** following his passing.

**NEW MEMBER:** **Bill N1FRE** made a motion that **Ed Eidelman K1NFO** be accepted as a new member. **Bob K1REL** seconded the motion, and it was approved.

**OLD BUSINESS:** **Bill N1FRE** reported that he is still looking for volunteers to help with the amateur radio demonstration at Marshfield Fair (August 24-30). Contact **Bill N1FRE** on the repeater, email or phone if you can participate. **Jeff N1ZZN** has posted the schedule on the website. **Bill N1FRE** also reports that there is a \$100 fee for all non-profit groups setting up at the fair this year to cover expenses. To help this, a raffle was held giving away 3 items from the clubhouse. **Bruce NI1X** reported that the next Fox Hunt will be held on Saturday, August 15<sup>th</sup> at 10 a.m. in one of the Bridgewater. **Jeff N1SOM** reported the totals for QSOs and points submitted to the ARRL for Field Day.

**NEW BUSINESS:** **Jeff N1SOM** reported that the bill for the insurance for the repeater has come in. **Bill N1FRE** made a motion that in the future, as long as there's no changes needed that these bills be paid automatically without needing a motion. **Jim KC1JET** seconded the motion, and it was approved.

## SECRETARY'S NOTES OF THE MEETING OF August 5th, 2009 Cont: de N1ZZN

**NEW BUSINESS Cont:** **Elayne KB1IKH** reported that she had applied for a grant for public service from Harvard Pilgrim Health Care for the Whitman Amateur Radio Club. She reports that we have received a grant for \$500, which will cover the cost of the new club Yaesu FT-8800R dual band radio and power supply. **Jeff N1SOM** reminded everyone that the Labor Day weekend Saftler's Flea Market is fast approaching on September 6<sup>th</sup> and 7<sup>th</sup>. **Jeff N1SOM** volunteered to once again take care of the newspaper articles. **Ross W1EKG** once again volunteered to talk to **Eric Saftler**, and get the necessary permit from the town of Whitman. **Bruce N1IX** reported that **Carl N1FY** is arranging a joint meeting with the Massasoit ARA to have meteorologist Mish Michaels, formerly of WBZ-TV give a talk to the clubs, and other area hams. **Paul KB1MTW** reported that there might be an amateur radio demonstration set up at an upcoming Boy Scout event in addition to JOTA which will be on October 17-18. **Jim KA1EUI** reported that he needs a new radio and RigBlaster interface to get the EchoLink back running on the repeater. **Paul KB1MTW** reported that there is a rig blaster in the items that were donated from **Jim W5IRW** and a radio donated by **Walter K1BZD**. They will be turned over to **Jim KA1EUI**.

**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:** 8/9: **Bill N1FRE**      8/16: **Jeff N1SOM**      8/23: **Bruce N1IX**  
8/30: **Roy KB1CYV**

**CLOSE:** President **Paul N1VTI** closed the business meeting at 7:40 p.m. on a motion by **John KB1PHN** seconded by **Barbara K1MRH**. The motion was approved.

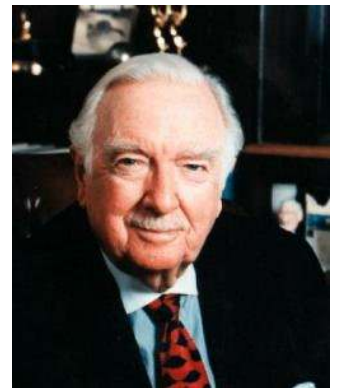
**TECHNICAL TOPICS:** **Ross W1EKG** displayed his version of the spud gun antenna launcher. **John KB1ODS** displayed the antenna he built for Fox Hunting. **Jeff N1ZZN** displayed several 900 MHz radios, and talked about local repeaters.

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### SILENT KEY: Walter Cronkite KB2GSD

**Ron Smith N1PXX** sent this update on the passing of **Walter Cronkite KB2GSD SK**. The Whitman club played the video "America Radio Today" narrated by **Walter Cronkite KB2GSD SK** at prior Marshfield Fair Amateur Radio Exhibit Booth exhibits.

**Walter Cronkite KB2GSD SK**, an ARRL member, narrated the 6 minute video [Amateur Radio Today](#). Produced by the ARRL in 2003, the video tells Amateur Radio's public service story to non-hams, focusing on HAM radio's part in helping various agencies respond to wildfires in the western US during 2002, HAM radio in space and the role Amateur Radio plays in emergency communications. "Dozens of radio amateurs helped the police and fire departments and other emergency services maintain communications in New York, Pennsylvania and Washington, DC," Narrator Cronkite intoned in reference to HAM radio's response on September 11, 2001. "Their country asked, and they responded without reservation."



Walter Cronkite  
KB2GSD  
Silent Key

**THE WHITMAN AMATEUR RADIO CLUB RECEVES A \$500.00**

**HARVARD PILGRIM HEALTH CARE FOUNDATION - COMMUNITY SPIRIT 9/11 MINI-GRANT**

The following is a portion of a letter dated July 17, 2009 to the Whitman Amateur Radio Club.

To: **Paul Moss** – Vice President

“I am pleased to inform you that your organization has been selected to receive a Harvard Pilgrim Community Spirit 9/11 Mini-grant. **Elayne Tovet**, a Harvard Pilgrim employee, submitted an application for this award. It is with great appreciation for **Elayne’s** community service through your program that we enclose a check for \$500.00 payable to your organization.

Harvard Pilgrim Health Care created the Community Spirit 9/11 Mini-grants program to commemorate the first anniversary of September 11, 2001 through a special contribution to its foundation. The Foundation then administers this special fund and distributes the Mini-grants to non-profit organizations that have been recommended by Harvard Pilgrim Health Care and Perot System employees. Since 2002, hundreds of Harvard Pilgrim Health Care and Perot System employees have had their Mini-grants approved benefiting schools, social services, cultural and other community-based organizations where our employees live and work.

Through your efforts, and in partnership with our employees, Harvard Pilgrim Health Care continue the strong sprit of community service that respects the memory of those lost on September 11, 2001”.

Signed: **Charles D. Baker** CEO/President  
Harvard Pilgrim Health Care

Signed: **Karen Voci** – Executive Director  
Harvard Pilgrim Health Care Foundation

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**Harvard Pilgrim Health Care – Community Sprit 9/11 Mini-grant**

**Presentation August 5, 2009**

**Elayne Tovet KB1IKH** works for Harvard Pilgrim Health Care and submitted an application for a Community Sprit 9/11 Mini-grant in behalf of the Whitman Amateur Radio Club.

In the photo taken at the August meeting, **Elayne KB1IKH** is shown presenting a \$500.00 check to Whitman Club President **Paul Burbine N1VTI** and Whitman Club Treasurer **Jeff Tracy N1SOM**.

The Grant will be used to purchase equipment and the club members will assemble a Go-Kit to be taken to public Service and Special Events. The 2-Meter transceiver has already been purchased and a power supply, portable antenna and carrying case will be added next.



**Jeff Tracy**  
**N1SOM Tres.**

**Elayne Tovet**  
**KB1IKH**

**Paul Burbine**  
**N1VTI Pres.**

**Presentation of \$500.00 Grant at August meeting**

## **900 MHz RADIO SYSTEM PRESENTATION By: Jeff Lehmann N1ZZN**

About a year and a half ago, some Taunton area HAMS found out that a New Jersey Utility company was selling over 50 surplus Motorola 900 MHz REPEATERS for \$100.00 each. The word was spread and several HAMS from this area traveled to New Jersey to purchase them, including area HAM **Steve Meuse N1JFU**.

Last May, I was able to install my 900 MHz REPEATER on a radio tower in Marshfield. My REPEATER output is 927.475 MHz (receive on your transceiver) and 902.475 MHz input (transmit on your transceiver). The PL on the input is 131.8 and 100.0 on the output. Because of the commercial radios that are used, it is easy to set different PLs, which in some cases can eliminate interference into the repeater.

The Marshfield 900 REPEATER was initially linked to a 900 MHz REPEATER in Hopkinton via IRLP. Now these two REPEATERS are linked to others in Hingham, Boston, Waltham, and Wrentham via IRLP. The IRLP reflector used for linking is Node 9125 (The New England Reflector).

There are no 900 MHz HAM radios being sold. There are plenty of surplus commercial Motorola mobile, base station and handheld transceivers available on E-Bay and at the NearFest and Dayton Flea Markets for between \$50.00 and \$150.00. They require programming via computer to set up the HAM band frequencies. I volunteer to help anyone who purchases one of these transceivers re-program the radio for the HAM frequencies.

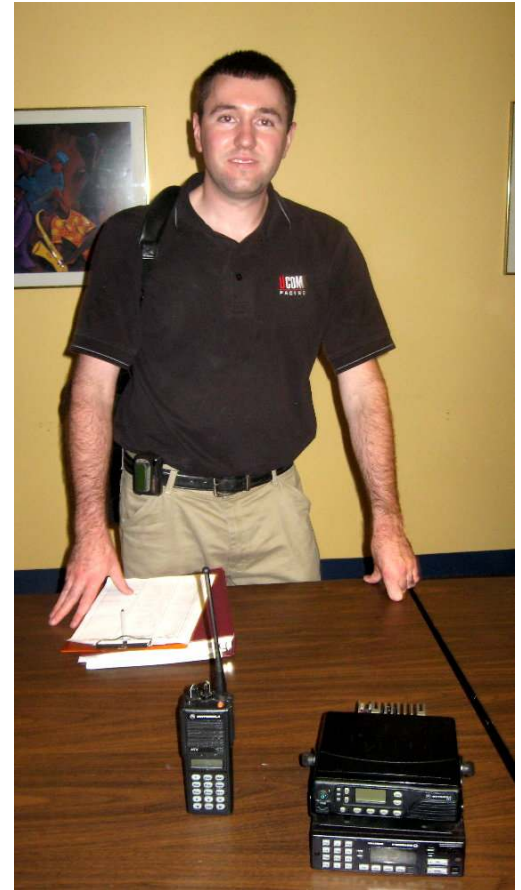
I have a Motorola MCS-2000 mobile that is very popular. It has 48 channels and is programmed using Windows software. I purchased this radio for \$110.

For portables, the best rigs available are the MTX-9000 (B-7) and MTX-9250, which sell for around \$125. Those have at least 128 channels. The MTX-9000 B3 (16 channels) with no keyboard and no display and the GTX-900 (10 channels) can usually be picked up for around \$50.00.

I also have a SPECTRA as my Base Station that is very popular. It has 128 channels and sells for about \$150.00 for the 30-watt version with mic, speaker, power cable, and mounting bracket. This is the only radio out of those that I displayed that requires modification, the addition of one resistor to the circuitry to operate in the HAM band.

There is also a Motorola GTX-900 mobile rig that has 10 channels and comes in 15 or 30 watts. This is an older transceiver that requires DOS software to reprogram.

All of these radios with the exception of the MCS-2000 require an old computer (usually less than 133 MHz) running DOS to program them. Another thing to keep in mind is the loss in the coax. For my base station, I use LMR-400, which the club now has in stock. For my mobile, I currently have a mag mount that has low loss Teflon cable. If anyone has any questions about 900 MHz, please feel free to email me at [n1zzn@comcast.net](mailto:n1zzn@comcast.net)



**Jeff Lehmann N1ZZN**  
**900 MHz presentation**

## YMCA CAMP YOMECHAS TRIATHLON July 12, 2009 By: Bruce Hayden N11X

The Massasoit Club volunteered to provide communication support for the Middleboro YMCA Camp Yomechas Triathlon held on Sunday, July 12, 2009. **Carl Aveni N1FY** put out a call for help and once again HAMs from several area clubs responded. This was the largest turnout of Public Service HAM volunteers for this annual event.



**PUBLIC SERVICE VOLUNTEERS – Photo’s By: Phil N1XTB**

The communication support volunteers “The Radio Team” met at the Dunkin Donuts in Middleboro, where this photo was taken, to get assignments as Camp Yomechas was too crowded. Shown back row left to right: **Greg Glynn W1VFB, Bruce Hayden N11X, Pete Curley N1NVV, Bob Loring K1REL, Walter Fitzgerald W1WCF, Roy Logan KB1CYV, Carl Aveni N1FY. Bob Keene N1LCY, Joanne McLaughlin KB1FVN and Philip McLaughlin KB1CYO.** Front row left to right: **Jim Tynan KC1JET, Bob Doherty K1VV, Paul Burbine N1VTI, Alan Cox K1VQ and Phil McNamara N1XTB.** Also participating, but not present when the picture was taken, was **Jack Buckley W1AKN.**



**Tee Shirt Design**



**Carl Aveni N1FY - Net Control**

## YMCA CAMP YOMECHAS TRIATHLON July 12, 2009 Cont: By: Bruce Hayden N1IX

The weather was 74 degrees and overcast, a perfect day for a Triathlon. The participants swam 1 mile, bike raced 24 miles and then ran 6 miles. It was reported that there were 270 participants this year.

**Carl N1FY** set up his Go Kit at the Start / Finish line. **Phil N1XTB** was assigned to shadow the Race Director **Susan Okolita** and they were in the campgrounds. The rest of the radio team volunteers were stationed at strategic intersections and water stations all around the racecourse. **Phil N1XTB** reported one swimmer experienced cramps and had to be brought in by kayak. **Roy KB1CYV** reported one biker went down when he hit a pothole.

The crew was following the first runner who finished in about 2 hours and the last runner who finished in about 4 hours. The last participant was reported to be a 70-year-old man who was walking not running. He had 3 miles to go at the 4-hour mark and was determined to finish if it took him all day. It was reported that it took him 5-1/2 hours.

**Carl's N1FY GO KIT:** A closer look at **Carl's N1FY** "Go Kit" (radios in a box) found that along with the ICOM-2720 a 2-Meter / 440 MHz transceiver he was using was an ICOM IC-706 HF transceiver with an LDG Z-100 autotuner, an Astron power supply with an Anderson power pole fused strip called a "Rig Runner" and a KAM XL Packet Terminal Node Controller (TNC). **Carl N1FY** was on commercial power this time and operated on 146.535 MHz simplex with no problem.



**Carl's N1FY Go Kit**  
**(Radios in a Box)**

## TECHNICAL TOPICS

### MODIFIED SPUD GUN ANTENNA LAUNCHER

**By: Ross Hochstrasser W1EKG**

**Ross Hochstrasser W1EKG** reports, "My project was to install a horizontal 300 foot delta loop antenna (100 feet on a side) at my home QTH so that I can get on 75/80-Meters".

To accomplish this I decided to build a modified Spud Gun launcher out of 3-foot sections of PVC pipe and standard ball valves purchased from Lowes. The projectile was a child's toy that looks like a small football with fins. I had to add weights to the football projectile thingy and a hook to the back of the fin to attach the fishing line to. I used two ball valves. One to seal the air input before removing the compressed air line and the other to launch the projectile. I have an air compressor set at between 40 and 45 lbs.

When tested it worked great. I have my delta loop up in the air. (Note: Fishing reel, normally clamped at top (smaller PVC launch tube) was removed when photo was taken.



**Ross Hochstrasser W1EKG**

## SOUTH SHORE FOX HUNTERS

FOX HUNT -- SATURDAY -- JULY 11, 2009 By: Bruce Hayden NI1X



Roy Logan KB1CYV

Gary Cumiskey W1GRC

Ron Stundze KB1OEQ

Jeff Lehmann N1ZZN

Bill Hayden N1FRE

Jeremy Breef-Pilz KB1REQ

Bruce Hayden NI1X

Saturday, July 11, 2009 was a beautiful day for a Fox Hunt. **Jeff Lehmann N1ZZN** and **Gary Cumiskey W1GRC** were hiding in a gravel pit behind the Cemetery and Water Tower on Rt. 106 in Halifax. They were literally in a hole surrounded on two sides by a hill of dirt.

In First place, in a time of 33 minutes, was the team of **Bruce NI1X** and **Jeremy KB1REQ**. Coming in Second place, in a time of 45 minutes, was **Roy KB1CYV**. Coming in Third place, in a time of 50 minutes, was the team of **Bill N1FRE** and **Ron KB1OEQ**.



The Foxes for the day  
Come and find me

Gary Cumiskey W1GRC  
Jeff Lehmann N1ZZN

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## SADDLE UP -- WE HAVE A REAL FOX HUNT TO GO ON

**Kevin O'Donnell K1KOD** had called to say the Genesis REPEATER was shut down because a carrier had been on continuously since last Thursday. They had traced the signal to the town Wareham near the intersection of Routes 28 and 58. After the Fox Hunt, **Bruce Hayden NI1X**, **Jeremy Breef-Pilz KB1REQ**, **Roy Logan KB1CYV**, **Jeff Lehmann N1ZZN** and **Gary Cumiskey W1GRC** all saddled up and headed to Wareham to find the source of the interference.

The team of **Bruce NI1X** and **Jeremy KB1REQ** found the source in a trailer park and **Gary Cumiskey W1GRC** volunteered to approach the owner. Next thing we heard the interference go away. **Jeff N1ZZN** later reported that the owner said that some visiting kids must have pushed the transmit lock bar down on his desk mike leaving the transmitter on all the time. Problem solved.



## MORE FOX HUNTING PICTURES

FOX HUNT -- SATURDAY -- JULY 25, 2009 By: Bruce Hayden NI1X



Roy KB1CYV

Bill N1FRE

Walter W1WCF

Jim KB1PFL

Mike K1MRG

Barbara K1MRH

Jeremy KB1REQ

John KB1ODS

Paul KB1MTW

Joe KA1JBE

Ron KB1OEQ

John KB1PHN

Mary Lou SWL

Tom KB1TOM

Dino KB1RXQ

Bruce NI1X

The **Bruce NI1X** and **Jeremy Breef-Pilz KB1REQ** were the Foxes and were hiding in an industrial park in Rockland that was located near the top of Beech Hill.

First in was the team of **Roy KB1CYV** and **Barbara K1MRH** in 27 minutes followed by the team of **Joe KA1JBE**, **Dino KB1RXQ** and **Mike K1MRG** in 27 minutes and then the team of **Bill N1FRE** and **Ron KB1OEQ** in 36 minutes. **Walter W1WCF**, **John KB1ODS** and his wife **Mary Lou SWL** and **John KB1PHN** found the Fox in 1 hr and 15 minutes. **Jim KB1PFL** and **Tom KB1TOM** came in last at 1 hour and 25 minutes.

Team up with one of the experienced Fox Hunters and join the fun. All you need is a handheld receiver with an S-Meter tuned to the Fox Frequency (146.535 MHz) and smaller and smaller paperclip antennas.

As you get closer and closer to the Fox's Den the receiver S-Meter goes to S-9 full scale. Then you remove the rubber duck antenna and start using the small paperclip antennas until you can read S-9 - full scale with the small paperclip antenna. Then you take the antenna off all together and when the receiver reads S-9 - full scale - with no antenna - then - stop and get out of the car - you are within walking distance of the Fox.

Some people are able to "body fade" using their body to shield the signal coming from the Fox to get a direction. Some members have built Tape Measure Beams. Some members have purchased and assembled directional finder ("The Sniffer" ) kits. I have a commercial four-element directional beam antenna and a commercial attenuator to cut down the incoming signal strength, as I get closer and closer to the Fox's Den.



The Fox - Jeremy KB1REQ  
Note the handheld transceiver  
and horizontal antenna

# MORE FOX HUNTING PICTURES

Fox Hunt - Saturday - August 1, 2009



Ron KB1OEQ  
Roy KB1CYV  
Barbara K1MRH

Mike K1MRG  
John KB1PHN  
Bill N1FRE

Gary W1GRC  
Dino KB1RXQ  
Joe KA1JBE

Bruce N11X

On Saturday, August 1, 2009 **Roy Logan KB1CYV** and **Barbara Rice K1MRH** were the Foxes and were hiding in the West Meadows conservation area in the northwest corner of West Bridgewater.

First in was **Ed Meehan N1NTZ** who left before the picture was taken. **Ed N1NTZ** started at a golf course in Brockton about 1-1/2 miles away and found the Fox in 12 minutes. **John KB1PHN** and **The Bruce N11X** started in Bridgewater and found the Fox in 26 minutes. Next came **Joe KA1JBE**, **Dino KB1RXQ**, **Mike K1MRG** and **Gary W1GRC** in 29 minutes. Last but improving was the team of **Bill N1FRE** and **Ron KB1OEQ** in 48 minutes.



Barbara Rice K1MRH  
Roy Logan KB1CYV  
This is the Fox – come and find us

**NEW MEMBER: Ed Eidelman K1NFO** lives in North Eastern and holds an Extra Class license.



Ed Eidelman K1NFO

**TECHNICAL TOPICS - ASSEMBLING A GO-KIT By: Al Craddock WA1ZKK**

**Al Craddock WA1ZKK** is assembling a Go-Kit to house his new Kenwood TM-271A 2-Meter mobile rig. **Al WA1ZKK** reports that he picked up a plastic box from Lowes and with help from his next door neighbor (his second son) they mounted the radio so that he can easily remove it from his car when the car is being left in out of town parking lots.



**Al WA1ZKK** reports that he also picked up a Kenwood TH-K2AT handheld transceiver and can be heard back on the air on the Bridgewater and Whitman REPEATERS.

**TECHNICAL TOPICS -- FOX HUNTING ANTENNA By: John Chase KB1ODS**



**John Chase KB1ODS**  
**Mary Lou Chase SWL**



**John Chase KB1ODS**  
**dual – directional antenna**

**John Chase KB1ODS** reports that he built a dual antenna for directional finding using the telescopic elements from an old TV rabbit ears antenna. The two 19 inch telescopic elements were mounted on the ends of a 38-1/2 inch boom. The 19 inches being about a  $\frac{1}{4}$  wavelength at the Fox Frequency of 146.535 MHz and the 38-1/2 inches being about  $\frac{1}{2}$  wavelength at 146.535 MHz. The telescoping elements are connected to the coax feed by two equal lengths of coax seen wrapped around the beam. The main coax is connected in the middle of the beam with the center wire connected to one side and the shield wire braid connected to the other. All shield braids are tied together. Also at the middle of the beam there is a 3 or 4-inch copper wire gamma match loop between the center conductor and the braid.

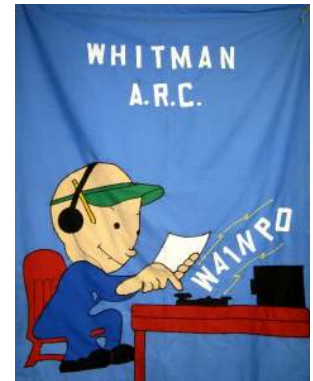
The directional beam can tell a direction but it cannot tell if the signal is coming from the front or the back.

## 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 July we had 4 sessions with an average of 15 area HAMS checking in each week and 8 messages were sent. Make up an NTS traffic message and send one to a friend.

The EchoLink connection to the Whitman REPEATER is under repair. and should be back on line soon.



**Sending N1IX**  
**an update**

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## **Marshfield Fair 2009 Invitation <> August 24<sup>th</sup> thru August 30<sup>th</sup>**

Get on the schedule <> Free passes are available, (a pass w/ free inside parking) to anyone willing to spend a 3hr. shift helping out at the booth. We can always use help setting up, Monday 8/24 @ 9:00 a.m. and breaking down on Monday 8/31 @ 09:00 a.m.

ATTENTION ALL HAMS -- WE INVITE YOUR PARTICIPATION THIS YEAR TO HELP THE WHITMAN AMATEUR RADIO CLUB REPRESENT THE EASTERN MASS AREA AMATEUR RADIO ACTIVITIES BY JOINING US AT OUR BOOTH AT THE MARSHFIELD FAIR THIS YEAR.



WE WELCOME EVERYONE'S SUPPORT. NO EFFORT IS TOO SMALL. CONTACT BILL N1FRE, [wf.hayden@verizon.net](mailto:wf.hayden@verizon.net) OR LEAVE A MESSAGE @ 781-447-1655. YOUR CALL WILL BE RETURNED TO SEE IF WE CAN FIT YOU INTO THE SCHEDULE YOU DESIRE. OUR BOOTH WILL BE MANNED EVERY DAY TO HAND OUT AMATEUR LITERATURE AND TALK TO PATRONS ABOUT OUR FASCINATING HOBBY. OUR RADIO ROOM OPERATIONS WILL BE ON THE AIR EVERY DAY WITH HF COMMUNICATION AS WELL AS VHF & ECHOLINK. RADIOGRAMS WILL BE OFFERED AS WELL !! IN ADDITION WE WILL HAVE ON DISPLAY SEVERAL INTERESTING SHOW AND TELL ITEMS <>

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

Paul Burbine N1VTI reports that he has installed an earpiece and hands-free microphone in his motorcycle helmet and a push-to-talk switch on his motorcycle handle grip. Now Paul N1VTI can activate the transceiver push-to-talk switch without taking his hand off the handlebar.

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## **WORLD RADIO ONLINE -- FREE MAGAZINE**

WorldRadio was purchased by CQ Magazine. WorldRadio is still being published, only online, as **WorldRadio Online**. It is available FREE of charge. Go to the CQ magazine Web Site at: [www.cq-amateur-radio.com](http://www.cq-amateur-radio.com) Find the WorldRadio Online logo to the left of the CQ magazine covers. Click on it . This will take you to the WorldRadio Online welcome page. Click on the WorldRadio Online front page and read the entire 51 page issue. Great reading.

## FIRST MONDAY OF THE MONTH RADIOGRAM TRAINING

Shown at the Whitman Emergency Operations Center following the August RADIOGRAM Training session are, Left to Right, **Bill Hayden N1FRE**, **Paul Moss KB1MTW** – Net Control for the night, **Mike Supple KB1OEP** and guest **Bruce Hayden NI1X**



Whitman EOC Crew -- August 3, 2009

Two messages were sent by area HAM **John Miller N1UMJ** from the MEMA Region II Headquarters in Bridgewater to

the local City and Town Emergency Management Agency Directors. Along with taking the messages going to Whitman, **The Bruce NI1X** was taking the messages for Taunton. Also heard taking messages were **Gill Follett W1GMF** for the town of Abington and **Loren Pimentel N1IQI** for towns of Carver and Bridgewater. The next RADIOGRAM Training session will be held on September 14, 2009 due to the holiday.

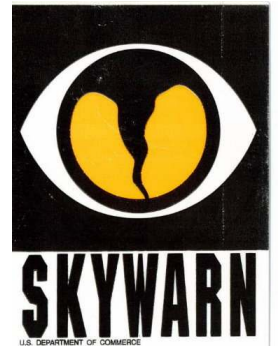
There are over a dozen Whitman Club members who are Radio Amateur Civil Emergency Service (RACES) volunteers in Whitman, Bridgewater, Brockton, Carver, Plymouth, Taunton, and Pembroke. If you are interested in becoming a RACES volunteer contact **Bruce Hayden NI1X** at [ni1x@arrl.net](mailto:ni1x@arrl.net) . If you are interested in becoming an Amateur Radio Emergency Service (ARES) volunteer contact **Phil McNamara N1XTB** at [n1xtb@powersrvsc.com](mailto:n1xtb@powersrvsc.com)

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### SIGN UP NOW - 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**.



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### SAFTLER'S FLEA MARKET -- DONATED GOODIES WANTED

The Labor Day weekend Saftler's fund raising Flea Market, to be held on September 6<sup>th</sup> and 7<sup>th</sup> , will be upon us before you know it. Clean out your radio room and donate some goodies to be sold at the club table. **Ross W1EKG** has volunteered to apply for the Flea Market permit. **Jeff N1SOM** has volunteered to place ads in the newspaper. **Paul N1VTI** has volunteered to coordinate the arrival of the vendors and **Paul KB1MTW** has volunteered to help transport for sale items from the clubhouse. Your help is needed to staff the club table and help see to it that everything runs smoothly.



# 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, Sept. 2nd 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

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Editor Bruce NIIX

E-mail articles to: [ni1x@arrl.net](mailto:ni1x@arrl.net)

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Web Master Jeff N1ZZN

Web Site: <http://www.wainpo.org>

Club REPEATER 147.225 MHz PL 67  
Club EchoLink KA1EUI-R Whitman Repeater

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*Whitman Amateur Radio Club, Inc.*  
*P.O. Box 48*  
*Whitman, Ma 02382*

