



# SPECTRUM



The Voice of the Humble Electron

Founded 1962

**PRESIDENT'S MESSAGE:** This is **Paul N1VTI** – We were all saddened to hear that former member **Mike Marinucci N1FRV** of Hernando, Florida became a Silent Key (SK) in March. **Mike N1FRV SK** will be missed by all.



**Paul Burbine**  
**N1VTI**

**TECHNICIAN CLASSES:** Classes start at the South Shore Hospital on March 20<sup>th</sup> and we have 16 students signed up so far. I am looking for additional V-E's to help with the special License Exam scheduled for April 10<sup>th</sup> in Braintree.

**HAVING FUN:** **Bruce Hayden N1IX** volunteered to be the Fox on February 20<sup>th</sup> and reports that there were 14 Fox Hunters participating. **Jim Tynan KC1JET** reported that he participated in a Fox Hunting Directional Finding Tape Measure Beam Workshop with the TACGroup. **Bruce Hayden N1IX, Richard Metcalf KB1TEH** and **Jeremy Breef-Pilz KB1REQ** participated in a Minuteman Repeater Association (MMRA) Fox Hunt in Weston, MA.

**PUBLIC SERVICE TRAINING:** **Bruce Hayden N1IX** reported that he, along with **Bill Hayden N1FRE, Kevin Dykes KB1MOC, Paul Moss KB1MTW, Mike Supple KB1OEP, Jeff Tracy N1SOM** and **Loren Pimentel N1IQI** participated in first Monday of the month RADIOGRAM Training. **Jeff Lehmann N1ZZN** participated in the monthly ARES net.

**AMATEUR RADIO EMERGENCY SERVICE (ARES) – STAND-BY OPERATION:** **Phil McNamara N1XTB** reported that Whitman Club members **Paul Moss KB1MTW** and **Jim Tynan KC1JET** were among the ARES members who made themselves available for deployment following the bad weather and major power outages during the last weekend of February - but were not called out this time.



Come to the next meeting and share your radioactive projects with the other members.

**73 From: Paul N1VTI**

**SILENT KEY:** **Mike Marinucci N1FRV** became a Silent Key in March. **Mike N1FRV** came across the Whitman Club Field Day site at Ames Nowell State Park in 1986 while fishing with his son. **Mike N1FRV** was a graduate of the Pine Street School of Excellence, joined the Whitman Club in 1986 and at one point held the Office of Vice President. **Mike N1FRV** was an active member until he moved to Hernando, Florida about 7 years ago with his wife **Jennifer**.



**Mike Marinucci**  
**N1FRV Silent Key**

**Mike N1FRV** maintained contact via Echolink, making a point to check in with all our Special Event or Club Station activations and many of our new members received their first QSL card from **Mike N1FRV** because of his thoughtfulness.

**Mike N1FRV** was considered a good friend by many of the Whitman Club members. Our condolences to **Mike's N1FRV** wife **Jennifer** and to all his family and friends. **Mike N1FRV** will be missed by all.

## SECRETARY'S NOTES OF THE MEETING OF March 3, 2010 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-three members / guests were present, including the four elected Officers and the four Directors. A quorum was present.



Jeff Lehmann  
N1ZZN

<b>AD1R</b>	<b>Dave Whitney</b>	<b>W1EKG</b>	<b>Ross Hochstrasser</b>		
<b>K1AWB</b>	<b>Steve Laroe</b>	<b>KB1REQ</b>	<b>Jeremy Breef-Pilz</b>		
<b>K1MRH</b>	<b>Barbara Rice</b>	<b>KB1CHW</b>	<b>John Coombs Jr.</b>		
<b>K1REL</b>	<b>Bob Loring</b>	<b>N1NO</b>	<b>Dave Hammond</b>		
<b>KA1PJX</b>	<b>Don Keene</b>	<b>W1GRC</b>	<b>Gary Cumiskey</b>		
<b>KB1ETW</b>	<b>Jim Halpin</b>	<b>KB1MTW</b>	<b>Paul Moss</b>		
<b>KB1OAW</b>	<b>Greg Noyes</b>	<b>KB1OAY</b>	<b>Dan Noyes</b>		
<b>KB1OEP</b>	<b>Mike Supple</b>	<b>KB1ODS</b>	<b>John Chase</b>		
<b>KB1PHN</b>	<b>John Murphy</b>	<b>KB1QEM</b>	<b>John O'Neill</b>	<b>KB1SVY</b>	<b>John Duprey</b>
<b>KC1FZ</b>	<b>George Davis</b>	<b>KC1JET</b>	<b>Jim Tynan</b>	<b>N1FRE</b>	<b>Bill Hayden</b>
<b>N1SOM</b>	<b>Jeff Tracy</b>	<b>N1SON</b>	<b>Bill Tracy</b>	<b>N1VTI</b>	<b>Paul Burbine</b>
<b>N1ZZN</b>	<b>Jeff Lehmann</b>	<b>NI1X</b>	<b>Bruce Hayden</b>	<b>W1AXB</b>	<b>Matt Paine</b>
<b>W1GQN</b>	<b>Jim Havens</b>	<b>WA1MWF</b>	<b>Larry Leblanc</b>	<b>WA1ZKK</b>	<b>Al Craddock</b>
<b>WG1L</b>	<b>Jim O'Rourke</b>	<b>WQ1L</b>	<b>John Coombs</b>		

**TREASURER'S REPORT:** The Treasurer's report for February was read by **Jeff N1SOM**. **Bruce NI1X** made a motion seconded by **Jim KC1JET** that the Treasurer's report be accepted as read. The motion was approved.

**SECRETARY'S REPORT:** A motion was made by **Jim KC1JET**, seconded by **Jim WG1L**, that the February Secretary's report be accepted as published in the newsletter. The motion was approved.

**HEALTH & WELFARE:** **Barbara K1MRH** reported that **Mike N1FRV** and **Frank N1OGP** were having health problems, and that cards were being passed around at the meeting to be sent to them. Update: Unfortunately since the meeting, **Mike N1FRV** became a silent key.

**OLD BUSINESS:** **John KB1QEM** reported that the plans for a Technician Class at the South Shore Hospital are going well with 16 people signed up and the license manuals have been ordered. The class will be held in two Saturday sessions with a VE session held on April 10<sup>th</sup>. **John KB1QEM** also reported that the HAM station at the hospital is almost ready. **Paul KB1MTW** reported that the Deerfield, NH NEARFest Flea Market is coming up on April 30-May 1. **Ross W1EKG** has tickets and vehicle passes available. **Jeff N1ZZN** reported that our repeater could use some custom voice IDs, and will bring in a computer next month if anyone would like to have their voice heard on the repeater. **Paul KB1MTW** reported that the East Bridgewater YMCA has once again been secured as the location for this year's Field Day, which will take place on June 26-27. Discussions were had about generators and fuel, antennas, and computers. **Jeff N1ZZN** suggested that rather than purchase another radio for EchoLink, that we consider installing a computer setup with internet right at the repeater site. **John KB1CHW** made a motion seconded by **John KB1SVY**, that the purchase of a radio be put on hold pending the research on this new setup. **Bruce NI1X** reported that Fox Hunts have been a success, and he will be attending another MMRA hunt. Also on March 13<sup>th</sup>, **John KB1PHN** will be the fox, hiding somewhere in Hanson, Whitman, or East Bridgewater.

## SECRETARY'S NOTES OF THE MEETING OF March 3, 2010 Cont: de N1ZZN

**NEW BUSINESS:** **Jim WG1L** reported that he has a collection of old QSL cards available for anyone to browse after the meeting. **John WQ1L** reported that he has a computer desk that he is donating to the club to be sold at the Saffler's Flea Market. **Bruce NI1X** reported that **Phil N1XTB** is involved with a project looking for HAMs to help out with a K9 search and rescues team drill. **Bruce NI1X** also reported that there will be a CPR class held in Middleboro on March 29, for a cost of \$10. Contact **Bruce NI1X** for more information.

**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:** 3/7: **John KB1SVY**, 3/14: **Jeff N1SOM**, 3/21: **Mike KB1OEP**  
3/28: **Bruce NI1X**

**CLOSE:** President **Paul N1VTI** closed the business meeting at 7:20 p.m. on a motion by **John KB1PHN** seconded by **Barbara K1MRH**. The motion was approved.

**TECHNICAL TOPICS:** **Jeff N1ZZN** demonstrated how EchoLink is now available for the iPhone cell phone and works very well, even without external headphones or microphone. **Jeremy KB1REQ** also mentioned that it is also available on the iPod Touch, which is a similar device to the iPhone, but primarily used to listen to music. In order to use EchoLink with that device, you must be within range of a WiFi internet signal.

**John KB1PHN** demonstrated a loop antenna that attaches right to the top of his HT to be used as a tool for Fox Hunting. It gives a good indication of where the null is in the signal.

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### TAPE MEASURE BEAM WORKSHOP By: The Bruce NI1X

**Greg Glynn W1VFB** - Pres. of the Taunton Area Communication Group (TACGroup) - volunteered to be the instructor for a TACGroup Tape Measure Beam Workshop that was held on February 28<sup>th</sup> in **Don Burke's KB1LXH** garage.

Building Tape Measure Beams were **Don Burke KB1LXH** and **Jim Tynan KC1JET**. **The Bruce NI1X** was the photographer and **Don's KB1LXH** wife **Gina** supplied the coffee. **Greg W1VFB** supplied the material at a cost of \$15.00 each.

Plans are being made by the TACGroup to hold a Fox Hunt on a Sunday in Taunton. The South Shore Fox Hunters will be invited to attend.



**Jim Tynan KC1JET**

**Greg Glynn W1VFB - instructor**

**Don Burke KB1LXH**

## AMATEUR RADIO EMERGENCY SERVICE (ARES)

### STAND-BY MODE -- FEBRUARY 27, 2010 By: Bruce N11X



There was a SKYWARN activation with operators at NWS Taunton on Friday, February 26<sup>th</sup>. Numerous reports of downed trees and power lines, power outages, and significant damage across Northeast Massachusetts into New Hampshire were received. The SKYWARN Observers were monitoring for wind damage and coastal flooding. Wind speeds were reported to have reached hurricane force.



Andy Kulhavy KB1PGF

Jim Palmer KB1KQW

Bruce Pigott KC1US

Charlie Rocheleau W1CPR

Jim Palmer KB1KQW

with Dave Belsky K1DBB  
Northeast MA Red Cross  
communications officer

Due to the significant damage that had been reported, portions of Eastern Massachusetts ARES including ESSEX, MIDDLESEX, and SUFFOLK counties were put in stand-by mode starting at 12 AM EST Friday in the event that support was requested by our served agencies.

North Shore ARES was activated on Saturday, February 27<sup>th</sup> to support Red Cross for Shelter staffing and damage assessments in the Plum Island and Newburyport area. **Jim Palmer KB1KQW** - the ARES Eastern Mass. Assistant Emergency Coordinator (north side operations) along with **Andy Kulhavy KB1PGF**, **Charlie Rocheleau W1CPR** and **Bruce Pigott KC1US** were deployed to the Newburyport Red Cross Shelter to meet needs for the first 24 hours and to determine if relief support was needed.



## AMATEUR RADIO EMERGENCY SERVICE (ARES)

### STAND-BY MODE FEBRUARY 27, 2010

This storm resulted in individual “big” trees being knocked down and branches broken off that took down power lines and individual poles that could be put back up in a short time. Not like the ice storm of last year that took down rows and rows of trees, poles and wires and took weeks to replace.

ARES members in Southeastern Mass. were requested to provide their name and schedule of availability to **Phil McNamara N1XTB** or **Carl Aveni N1FY**. **Carl Aveni N1FY** reported that **Paul Moss KB1MTW** and **Jim Tynan KC1JET** of the Whitman Club were among the 84 ARES members who reported their availability for deployment but were not called upon this time.



Photo By: Bob Husseuer N1LOF

What is ARES Stand-By mode? By: **Jim Palmer – KB1KQW**

“ARES stand-by mode is to alert Amateurs within ARES that a mobilization is possible on a wide-scale and that some localized mobilizations are or could be taking place in isolated areas. It means to take a look at your Go-Kit and have batteries and equipment ready to go and charged up and take care of any requirements at home in case a mobilization is required and you can participate. Do NOT self-deploy. Wait for guidance from leadership for any deployment. It is an honor to be ready even if you don't deploy for the event. Hopefully, it will be just another exercise of our preparedness and capabilities. If not, the ARES leadership will be forming deployment teams and looks forward to working with you for any wide scale mobilization following the initial impact of a major storm to the region”.

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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 February we had 4 sessions with an average of 15 area HAMS checking in each week and 9 messages were sent.

**Jim Tivet W1JT** is hosting the EchoLink connection to the Whitman REPEATER at his home QTH in Holbrook. The EchoLink node to the Whitman REPEATER is **WA1NPO-R Whitman, MA**.



**Sending N1IX  
an update**

Do you have a copy of the standard National Traffic System (NTS) message form ?? – you should have. Use one to make up an NTS traffic message and send it to a friend or copy along when the WARPSN Net Control Operator sends the Traffic Report message at the end of the NET.

## FOX HUNTING CREW -- SATURDAY, FEBRUARY 20, 2010



The February Fox Hunters are shown in the Fox's Den. Back row L. to R. **Kevin Dykes KB1MOC**, **Roy Logan KB1CYV**, **Richard Metcalf KB1TEH**, **Barbara Rice K1MRH**, **Bruce Breef-Pilz SWL**, **Gary Cumiskey W1GRC**, **Jeremy Breef-Pilz KB1REQ**, **Don Burke KB1LXH**, **John Murphy KB1PHN** and **Mary Lou Chase SWL**. Front row L. to R. **Bruce Hayden NI1X**, **Joe Casieri KA1JBE**, **Jeff Lehmann N1ZZN**, **Riley Burke SWL** (Holding the Fox), **Mollie** (The Fox Hunting Dog) and **John Chase KB1ODS**.

**The Bruce NI1X** volunteered to be the Fox on a beautiful sunny 40 degree day and was hiding in the Brewster W. Fuller Field parking lot on Church Street in East Bridgewater. **Jim Havens W1GQN** lives about ½ mile away to the north and **Kevin Dykes KB1MOC** lives about ½ mile away to the south and both were receiving the Fox full scale. Talk about "in your backyard". **Bill Hayden N1FRE** reported in that he could hear the Fox at S-3 from his home QTH and **John Duprey KB1SVY** reported in that he could not hear the Fox in North Whitman.

**John Murphy KB1PHN** was walking his dog **Mollie** at the Mitchell School about ½ mile to the east and came cruising into the Fox's Den just as **The Bruce NI1X** started the 5 minute transmission. **Kevin Dykes KB1MOC** who was receiving the Fox with no antenna from his driveway came cruising in to the Fox's Den in 14 minutes.

In third place was the team of **Roy Logan KB1CYV** and **Barbara Rice K1MRH** in 36 minutes. Fourth place goes to the team of **Jeff Lehmann N1ZZN** and **Gary Cumiskey W1GRC** in 42 minutes. Fifth and sixth place goes to **John Chase KB1ODS** and his wife **Mary Lou SWL** who were followed into the Fox's Den by **Richard Metcalf KB1TEH** in 50 minutes. **John KB1ODS** was testing out a new loop antenna he had received as a Christmas present. Seventh place goes to **Jeremy Breef-Pilz KB1REQ** and his father **Bruce SWL** in 54 minutes. Eighth place goes to **Joe Casieri KA1JBE** in 57 minutes and last but not least was the team of **Don Burke KB1LXH** and his son **Riley SWL** in 1 hour. A social half hour followed and a good time was had by all.



**John Chase KB1ODS**  
**new loop antenna**

## TRACKING PROGRESS OF A SAILING TRIP

VIA AMATEUR RADIO By: Jim O'Rourke WG1L

**Jim O'Rourke WG1L** reports: "**Russ Landrigan N1PFQ/MM**, a South Weymouth resident, left from the South Shore Yacht Club last August in his 33 ft. sail boat the "Luturna II". He had a couple of guys with him, one from Weymouth and the other from England. They sailed to the Azores where both of his helpers left for home while **Russ N1PFQ/MM** waited for his wife **Laura** to join him.

When she got there the two of them toured a few of the Islands in the Azores and then moved on to Madeira, the Canaries and Gambia, Africa. The next leg of the trip was from Gambia to Trinidad & Tobago in the Caribbean, a 21 day crossing, all the while **Jim KB1ETW**, **Don KA1PJX** and I, **WG1L**, would contact them via 20 meters on a daily basis while they were at sea. When they are in port we only call on Monday, Wednesday and Friday. At some of the island stops near Africa the contacts were not always good as big hills or mountains on the islands seemed to block the signals. They are now going slow and enjoying leisure stops in the Caribbean. They will not return to Weymouth for about a year.

At one point in the crossing from Gambia to Trinidad & Tobago a pod of killer whales came alongside the boat, even sliding along the hull. **Russ N1PFQ/MM** got a picture of one of them looking up at him. I am anxious to see that one.

**Don Keene KA1PJX** has a new antenna. A Hy-Gain AV-14AVQ. He has it ground mounted where it did not need radials. The next project is to mount it on top of an old boat mast raising it 27 ft. which will mean that now he will need four (4) 33 ft. radials. **Don KA1PJX** is in the process of preparing the radials and when the weather cooperates, we will stand the mast and antenna up against the house and look for better reception and transmission".



**Russ Landrigan N1PFQ/MM**  
**and wife Laura SWL**



**73 Jim WG1L**

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## SCUTTLEBUTT - SCUTTLEBUTT - SCUTTLEBUTT

**Jim Havens W1GQN** reports that he picked up a Kenwood TS-830S transceiver.

**Don Cahill N2DEC** reports that he picked up a Maco V58 10-Meter vertical antenna.

**Paul Burbine N1VTI** reports that he picked up a Heath Kit SB-200 HF (1500 watt) amplifier.

**John Duprey KB1SVY** reports his homemade 2-Meter J-Pole antenna is mounted outside at his home QTH.

## RADIOGRAM TRAINING -- FIRST MONDAY OF THE MONTH

Shown at the WEMA Whitman Emergency Operations Center following the March RADIOGRAM Training are Left to Right:

**Kevin Dykes KB1MOC**  
**Paul Moss KB1MTW**  
**Jeff Tracy N1SOM**  
**Mike Supple KB1OEP**  
**Bill Hayden N1FRE**

**Bruce Hayden N1IX**  
and **Rudy Burer KB1LXI**  
were at the Taunton EOC representing Taunton and **Loren Pimentel N1IQI** was heard checking in for Carver.



**Whitman RACES Volunteers**

Local HAM **John Miller N1UMJ** sent three messages from the Mass. Emergency Management Agency (MEMA) Region II headquarters located at the Bridgewater State Prison Emergency Operations Center bunker to the Emergency Management Directors in the local cities and towns.

All area HAMs are encouraged to listen in on the Norwell REPEATER 145.250 MHz PL 77 at 8 p.m. on the first Monday of the month and copy along.

Following the RADIOGRAM Training there is a statewide Amateur Radio Emergency Service NET conducted on the MMRA Linked REPEATERS – Norwell being one. **Jeff Lehmann N1ZZN** was heard checking in.



**Bruce N1IX and Rudy KB1LXI**  
**Taunton RACES Volunteers**

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### UPCOMING EVENTS

- April 11<sup>th</sup>** – **FRAMINGHAM FLEA** – Keefe Tech School - 750 Winter Street - Framingham, MA.
- April 17<sup>th</sup>** - **ANTIQUÉ RADIO FLEA MARKET** – Manchester, NH - Manchester Bingo Center - John E. Devine Drive (off South Willow Street) \$10 @7:30 a.m. \$3 @8:30 a.m. For more info call **Charlie Perkett** at 603-898-4821.
- April 18<sup>th</sup>** - **FLEA AT MIT** - Albany and Main Street in Cambridge, MA. Free parking. Third Sunday April thru October. For more info call **Nick** at 617-253-3776.
- April 19<sup>th</sup>** - **BOSTON MARATHON** – Sign up at [www.mmra.org/marc/access.htm](http://www.mmra.org/marc/access.htm)
- April 30<sup>th</sup> & May 1<sup>st</sup>** - **NEAR-Fest VII** - The New England Amateur Radio Festival (NEAR-Fest VII) will be held at the Deerfield, NH fairground. **Ross Hochstrasser W1EKG** has advance sale tickets.



## MINUTEMAN REPEATER ASSOCIATION (MMRA)

### FOX HUNT -- SATURDAY, March 6, 2010 By: The Bruce" NI1X

The weather was beautiful with the temperature reaching 55 degrees on Saturday, March 6, 2010, a great day for a Fox Hunt. The Fox was to hide within a 10 mile radius of the Weston REPEATER. The Fox was given permission to operate on the Weston REPEATER input and therefore could be heard on the REPEATER output. The Fox was to use enough power to pick up the REPEATER.

The South Shore Fox Hunters team of **Bruce Hayden NI1X** , **Jeremy Breef-Pilz KB1REQ** and **Richard Metcalf KB1TEH** came in second place in 1 hour and 20 minutes. They found the Fox hiding 7 miles from the Weston REPEATER site on a cul-de-sac on Cranberry Circle in Sudbury at the intersection of the Sudbury, Maynard, Acton and Concord town lines. About 70 miles from Raynham. The first place team found the Fox's Den in 1 hour and 5 minutes using Doppler System directional finding equipment.

We later found out that the Fox was varying the power from as low as 2 watts to as high as 50 watts and that explained some of our strange readings.

#### Photo - Left to Right:

**Richard Metcalf KB1TEH**

**Bob Rogers WA1PIO –  
the Fox for the day**

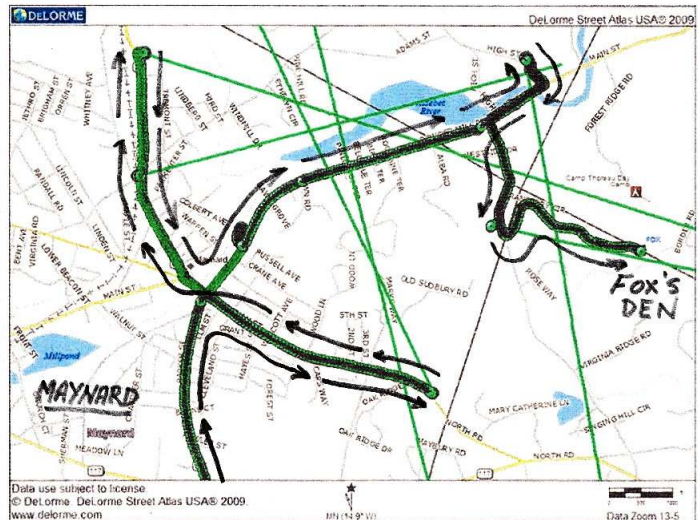
**Jeremy Breef-Pilz KB1REQ**

**Bruce Hayden NI1X**



The South Shore Fox Hunters team got two very weak readings from the REPEATER site that pointed them west. Along the way the South Shore Fox Hunters got better readings pointing northwest toward Sudbury and Maynard. Once in Maynard the crew got one bad reading, then started to zero in on the Fox's Den.

**Richard KB1TEH** had a laptop computer with a mapping system that showed the area with a 10 mile radius around the location of the Weston REPEATER. A GPS system connected to the computer tracked our route. **Richard KB1TEH** could draw lines on the map based on the directional finding compass bearings. Another tool for the tool box.



**NEXT FOX HUNT: John Murphy KB1PHN** has volunteered to be the Fox on Saturday, March 27<sup>th</sup> weather permitting and will be hiding in the Whitman, Hanson, East Bridgewater area.

## MINUTEMAN REPEATER ASSOCIATION (MMRA)

### FOX HUNT -- SATURDAY, March 6, 2010 Cont: By: The Bruce" NI1X

The first place team of Fox Hunters came in with a time of 1 hour and 5 minutes. They were using a Doppler System – some components of which are shown in the photo.

The South Shore Fox Hunters found the Fox in a second place time of 1 hour and 20 minutes.

A 900MHz Fox Hunt was made available to anyone who wanted to participate. The 900MHz Fox Transmitter was built on a circuit board that was about 2 inches long and 1 inch wide with a 2 inch antenna and putting out milliwatts.



Doppler System setup for Fox Hunting

## TECHNICAL TOPICS -- THE LIQUID ANTENNA

### Current antennas are delicate

**Dr. Michael Dickey**, of North Carolina State University, put together a team of electrical and chemical engineers to find a more resilient antenna material that is soft at room temperature, can bend fluidly and self-heal as it gets whacked around.

The best mix they came up with was an alloy of gallium and indium. At room temperature it was actually a liquid and thus flowed when deformed, rather than breaking.

The antenna can be housed in a variety of covers, from rigid to rubber. The rubber-coated version will allow it to stretch like an elastic band. The antenna can therefore be tuned by stretching the rubber housing.




### A LIQUID ANTENNA


Along with the military applications that stimulated the project, it may be possible to make stress-detectors for civil engineering projects such as dams and bridges. If lots of flexible antennas attached to small radio sets were placed inside a bridge, they would expand or contract along with the bridge and so would constantly retune themselves. Engineers monitoring the bridge would just need to scan them with radio waves and see which wavelength they respond to, in order to find out what was going on.

The article was reported in the National Society of Professional Engineers weekly Engineering Press Review dated Jan. 18, 2010. **The Bruce NI1X** is wondering how long before we see a HAM radio application for a “liquid antenna”.

**THE FOLLOWING ARTICLE - ANNOUNCING THE AMATEUR RADIO TECHNICIAN CLASSES - SPONSORED BY THE SOUTH SHORE HOSPITAL AND THE WHITMAN AMATEUR RADIO CLUB - WAS PUBLISHED IN THE SOUTH SHORE HOSPITAL "SHORELINES" NEWSLETTER**



South Shore  
Hospital



Published for employees, volunteers, and medical staff

### HAM Radio Training Offered

South Shore Hospital seeks to enhance its readiness to communicate during emergencies by training colleagues to become HAM (amateur) radio operators.

In the aftermath of the September 11 terrorist attacks, amateur radio operators kept New York City agencies in touch with each other after their command center was destroyed. When hurricanes like Katrina, Rita and Wilma knocked out other communications, HAM radio provided vital life-and-death capabilities. Countless lives have been saved when skilled hobbyists act as emergency communicators to render aid.

A two-day amateur radio educational program will be offered in our Emerson rooms from 9 a.m. to 3 p.m. on Saturdays, March 20 and April 3. The licensing exam is Saturday, April 10 at 9 a.m. at the Watson Building, 85 Quincy Avenue, Braintree.

Please call Joan Cooper-Zack, RN, emergency preparedness coordinator, at (781) 624-4366 for more information. ★

**April 10<sup>th</sup> - VE Exams** are held the 2<sup>nd</sup> Saturday in Braintree.

Special Exam session for students of the WARC / South Shore Hospital Technician Classes.

Contact **Bill Needham, K1WN**, at 781-843-4400 or via email at [k1wn@aol.com](mailto:k1wn@aol.com) Walk-ins are no longer permitted. We will be hosting VE exams at 8:45 a.m. at the Watson building – 85 Quincy Avenue – Braintree, Mass.

This is the new exam location for the Braintree Radio Club sponsors. If you know of anyone planning to take an exam, please have them drop a note to **Bill** - [k1wn@aol.com](mailto:k1wn@aol.com) to confirm a reservation.

**Paul Burbine N1VTI** is coordinating a new group of Technician Class Instructors. Volunteering to help during the first set of classes scheduled for March 20<sup>th</sup> and April 3<sup>rd</sup> are **Paul Moss KB1MTW**, **Bruce Hayden NI1X**, **Jim Tynan KC1JET**, **John Murphy KB1PHN** and **John O'Neill KB1QEM**.



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

Club REPEATER 147. 225 MHz PL 67

Club EchoLink WAINPO-R Whitman MA USA

## 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	NI1X

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