



SPECTRUM



The Voice of the Humble Electron

Founded 1962

PRESIDENT'S MESSAGE: This is **Paul N1VTI** – The Whitman club members have been very busy and you can read all about their radioactive adventures in this Whitman club Spectrum newsletter.

On the Public Service side of amateur radio: I was among eight Whitman club members practicing their emergency communication skills by helping the Massasoit Club provide communication support at the D. W. Field Triathlon. **Bruce N11X** and **Bill N1FRE** reported on the Whitman club members participating in the Massachusetts Emergency Management Agency (MEMA Region II) RADIOGRAM training and **Bill N1FRE** updated us on Whitman club members who provided communication support during the Whitman Kid Fitness Festival.



Paul Burbine
N1VTI

On the fun side of amateur radio: Thirteen Whitman club members and one area HAM participated in a Fox Hunt in October that was followed up with a cookout and social hour at my house. **Bruce N11X** reported that three Whitman club members visited the ARRL Headquarters in Newington, CT. - touring the ARRL office complex and then operating as **W1AW** at the Hiram Percy Maxim Memorial Station as part of the Taunton Area Communication Group planned road trip. **Bill N1FRE** was heard discussing his mobile installation project. Next I will be off to the NEARFest Flea Market and some members are planning to participate in Jamboree On The Air (JOTA).

At the October meeting: We saw a Fox Hunting video of the South Shore Fox Hunters (It included lots of Whitman club members) and discussed Fox Hunting techniques. We also held an auction of radio kits donated to the club by **Mike Supple KB1OEP**. A surprise guest at the October meeting was former member **Rick Turner KC1ZX**, now also **VO1ZX**, who was visiting from St John's, Newfoundland, Canada.

Mark your calendar: Due to a conflict with the Library, the next meeting will be held on the second Wednesday of the month - November 14th.

At the November meeting: We will be making final plans for the Plimoth Plantation Special Event Station. Our speaker that night will be **Phil McNamara N1XTB** who will give a presentation on WINLINK 2000 (WL2K) which enables HAMs to send computer E-mails over amateur radio frequencies instead of the Internet.



Bruce Hayden N11X showing our
guest Rick Turner V01ZX some
of the Fox Hunting equipment
at the October meeting

Send me an update or come to the next meeting and share your radioactive adventures with the other club members present.

73 From: Paul N1VTI

SECRETARY'S NOTES OF THE MEETING OF OCTOBER 3, 2007 de N1ZZN

OPENING: The members started gathering at the Whitman Public Library, Whitman, MA around 6:15 p.m. **President Paul N1VTI** opened the meeting with a roll call at 6:30 p.m.

ATTENDANCE: Thirty members / guests were present, including three elected Officers and the four Directors. A quorum was present.

N1ZZN	Jeff Lehmann	N1VTI	Paul Burbine	KB1ODS	John Chase
KB1PFU	Dan Chase	WA1UMT	Dave Darois	KB1NMG	Barbara Anderson
K1REL	Bob Loring	KB1KVL	Ken Kavaljian	Guest	Mike Anderson
K1MRH	Barbara Rice	SWL	Pat Kavaljian	KB1MTW	Paul Moss
KB1MJL	Al Marshall	N1WIG	Sam Webber	KB1PHN	John Murphy
VO1ZX	Rick Turner	NI1X	Bruce Hayden	KB1CYV	Roy Logan
KB1OEP	Mike Supple	KB1OEQ	Ron Stundze	N1SOM	Jeff Tracy
KB1OAY	Dan Noyes	KB1OAW	Greg Noyes	N1FRE	Bill Hayden
WG1L	Jim O'Rourke	WQ1L	John Coombs	KB1OEU	R.F. Peterson
KB1PFL	James Madden	KA1PJX	Don Keene	KC1FZ	George Davis

TREASURER'S REPORT: The treasurer's report for September was read by **Jeff N1SOM**. **Bill N1FRE** made a motion seconded by **Bob K1REL** that the treasurer's report be accepted as read. The motion was approved.

SECRETARY'S REPORT: A motion was made by **Paul KB1MTW** seconded by **Bob K1REL** that the secretary's report be accepted as published in the September Newsletter. The motion was approved.

OLD BUSINESS: **Bruce NI1X** reported that we currently have 50% of club members as ARRL members. We still need a couple more people to join before we can apply for being re-instated as an ARRL affiliated club. **Jeff N1ZZN** led some discussion about the wording change in the bylaws. Because of the dues amount date being changed to January, we will now begin collecting dues at the January meeting rather than December. **Jeff N1ZZN** reported that he has drafted a letter to send to the town of Hanson and/or Plymouth County asking if they would be willing to provide a location for our 147.225 repeater. If anyone would like to see the draft of the letter, or make any additions, please email **Jeff N1ZZN**. **Paul KB1MTW** brought some of the items from the clubhouse to the meeting to be auctioned off, including radio kits and tube testers. **Paul Moss KB1MTW** is willing to show any members not attending the meeting what we have at the clubhouse sometime during the week if you contact him. **Bill N1FRE** volunteered to contact **Marty Nugent**, the teacher from East Bridgewater High School, to possibly set up an amateur radio demonstration there. **Bill N1FRE** also reported that the club received a thank-you letter from the library for the books that we donated last month. **Roy KB1CYV** brought in the fox hunting video produced by **Whitey K1VV** to demonstrate fox hunting before the upcoming hunt in Whitman on October 6th.

NEW BUSINESS: **Paul N1VTI** reported that the club is low on RG-8X coax and flex weave wire used for building antennas. A motion was made by **Bill N1FRE** and seconded by **Paul KB1MTW** to purchase another roll of RG-8X. The motion was approved. Some discussion was held on whether we want 12 or 14 gauge flex weave wire for building antennas. Since a lot of it will be used quickly, **Dave WA1UMT** made a motion that the club buy a 500' roll of each type. The motion was seconded by **Barbara K1MRH** and approved. **Paul N1VTI** reported that NEARFest is coming up on October 12/13 in Deerfield, NH. He plans on setting up across from where **Jeff N1ZZN** and others were in the spring.

SECRETARY'S NOTES OF THE MEETING OF OCTOBER 3, 2007 de N1ZZN Cont:

NEW BUSINESS Cont: **Bruce NI1X** reported that the club has a low supply of patches with the club logo. He has contacted Sportswear Inc. in Brockton, and they are willing to make the patches for a cost of \$350 for 100 patches. **Bruce NI1X** made a motion that the club go ahead and order a new supply of patches. The motion was seconded by **Bob K1REL** and was approved. **Paul KB1MTW** and **Bill N1FRE** discussed the need for updated electrical service at the clubhouse whether or not the repeater is ever moved there. **Bill N1FRE** made a motion that the club allot \$300 for the project. The motion was seconded by **Bob K1REL** and approved. The weekend of October 20-21 is the Jamboree On The Air (JOTA). **Paul KB1MTW** reported that there are JOTA operations planned at the K1USN radio club in Braintree on Sunday the 21st from noon until 3. There is also another group planning to operate in Kingston.

CLUB ANTENNA ANALYZER LOCATION: Pine Street club house

NET CONTROLS: 10/7: **Bill N1FRE** 10/14: **Ray KB1ODU** 10/21: **Mike KB1OEP**
10/28: **Bruce NI1X**

CLOSE: President **Paul N1VTI** closed the business meeting at 7:30 p.m. on a motion by **Jim WG1L** seconded by **Sam N1WIG**. The motion was approved.

AUCTION: Following the business meeting, many of the items sorted by **Paul KB1MTW** were either auctioned or sold off.

**MASSACHUSETTS EMERGENCY MANAGEMENT AGENCY (MEMA)
REGION II RADIOGRAM TRAINING SESSION - FIRST MONDAY OF THE MONTH**

Seen at the Taunton Emergency Management Agency (TEMA) Emergency Operations Center (EOC) after the October RADIOGRAM Training session are - standing L. to R: **Bruce Hayden NI1X**, **Bob Barbour K1BAR**, **Don Burke KB1LXH** and **Greg Glynn W1VFB**. Sitting L. to R. **Rudy Burer KB1LXI** – Assistant Director TEMA, **Carlos Wharton WP4US** and **Neal Harrington KB1LXL**. **Greg W1VFB** was Net Control for the night.



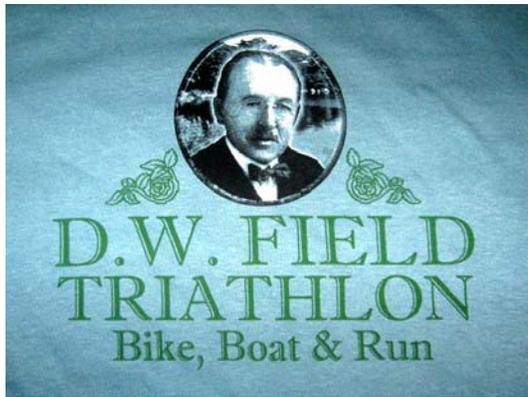
Taunton RACES Volunteers

Radiogram training is good practice for a real emergency when we will be operating for long periods of time trying to get a simple message through correctly in a high-noise, fast passed environment. The next RADIOGRAM Training session will be Nov. 5th. All are invited to attend at the Whitman EOC (at 7:45 p.m.) or Taunton EOC (at 7:15 p.m.) or listen in on the Norwell REPEATER 145.250 PL77 at 8:00 p.m. and copy along.

Attending the Whitman Emergency Management Agency (WEMA) Radiogram Training session held at the Central Fire Station Emergency Operations Center were **Bill Hayden N1FRE**, **Paul Moss KB1MTW**, and **Mike Supple KB1OEP**. **Mike KB1OEP** was Net Control for the night.

Ray Bolduc KB1ODU was heard checking in to both the RADIOGRAM training Net and the 8:30 p.m. Amateur Radio Emergency Service (ARES) Net from his work QTH.

D. W. Field Park - Triathlon - Sunday September 23, 2007



Carl Aveni N1FY – President - Massasoit Amateur Radio Assoc. volunteered to coordinate the Radio Team for the third annual D. W. Field Park Triathlon in Brockton and sent out an invitation to all area HAMS. Once again this turned out to be a joint adventure with both Massasoit Club and Whitman Club members participating. Shown before the start off the race were L. to R: **Bob Loring K1REL**, **Gil Follett W1GMF**, **Joe Serrilla W1JOE**, **Roy Logan KB1CYV**, **Bob Keene N1LCY**, **Carl Aveni N1FY**, **Paul Burbine N1VTI**, **Paul Moss KB1MTW**, **Phil McNamara N1XTB** and **Bruce Hayden NI1X**.

Public Service Volunteers

The race started with a 14 –1/2 mile bike race – four loops around the park, followed by a 1.7 mile canoe and kayak race on Waldo Lake and then a 10K (6.2 mile) road race. Proceeds from the Triathlon benefit the Brockton Neighborhood Health Center. The Triathlon started at 9:00 a.m. and the first team finished with a time of 1 hour and 42 minutes. The sky was blue and sunny and the temperature reached 76 degrees by noon. I counted 47 bike teams and it was estimated that there were about 100 participants. There were one person teams or multi-person teams with one person doing the bike part, a second person doing the kayak part and a third person doing the running.



The Radio Team was positioned around the racetrack and kept **Carl N1FY** – the Net Control Operator - informed of the progress of the race and kept an eye out for individuals having difficulty. **Phil N1XTB** provided his battery operated, solar powered, 2-Meter go kit that was on display to all the participants in the registration area. The Radio Team signs were an effective tool because all race participants could see the signs as they passed by.

Battery operated – solar powered 2-Meter Go Kit

October 20th - Jamboree On The Air (JOTA) **Don Burke KB1LXH** is rounding up volunteers to help him set up a Taunton Area Communication Group - Amateur Radio Special Event Station at Camp Norse in Kingston. Contact **Don KB1LXH** at E-mail DonEB425@comcast.net if you want to volunteer your help.

HF MOBILE INSTALLATION By: Bill N1FRE

After purchasing a 2005 Toyota mini-van, the next challenge was to somehow mount my HAM equipment inside as well as antennas outside.

The following describes a mobile antenna bracket capable of supporting the outbacker as seen installed on the Mini-van in the pictures. I used a quick disconnect on the ball mount for easy removal and storage of the antenna.

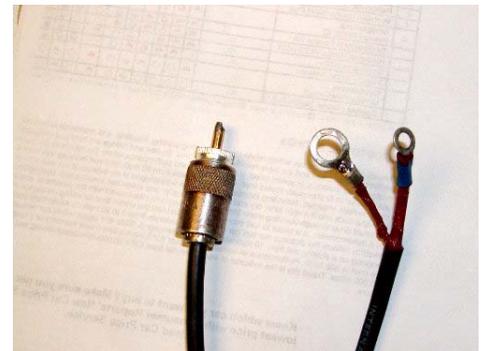
The logistics were perfect! At first glance I could see there was a gap large enough between the hatch lid and the rear tail light sheet metal for a bracket to be bolted inside and not interfere with the operation of the hatch lid.



From the scrap pile I used a piece of 2" x 3" x .25" stainless angle iron to fabricate a one piece bracket. Note that this material is not lightweight and is not easily worked by the average hobbyist.

After several hours of sawing, drilling and tapping holes as well as grinding, filing, and shaping the stainless angle, it was apparent that I needed the use of a milling machine to mill a taper on the back side of the mounting surface to assure sufficient clearance for the hatch lid. Thanks to **John WQ1L**, he was able to perform this task to perfection.

The lead in cable is fabricated from 3 ft of Mini-8 coaxial cable and is terminated with a PL-259 connector on one end and with soldered crimp-on lugs at the mount end. To assure that the exposed cable braid, grounded on the bracket, would not take on moisture, I coated the surfaces with several coats of plain old red fingernail polish.



Of course, as always, this cable was checked **often** with an ohmmeter for shorts and continuity during the assembly process. Also, when choosing fingernail polish, do not use gold or silver or glitter as they can be conductive! As the pictures show, this project turned out looking good and working OK.

MUSEUM TOUR FOLLOW UP

Ron Smith N1PXX and his wife **Joan KB1NAX** sent a thank you note to **Mark** and **Helen Vess** for the fabulous tour of their Museum. The thank you note was signed by all the Whitman Club members attending the September meeting and was reported to be greatly appreciated by **Mark**. **Ron N1PXX** reported that he made a donation of a Hallicrafter "Sky Buddy" transceiver from his personal collection, to **Mark's** museum.

Ron N1PXX reports that he has extra window weights available for antenna projects – free for the asking.



Ron Smith N1PXX

ARRL HEADQUARTERS TOUR AND OPERATION AT THE W1AW

HIRAM PERCY MAXIM STATION By: The Bruce" NI1X

The Taunton Area Communication Group (TACGroup) organized a Field Trip to ARRL Headquarters in Newington, CT. The trip took a little over 2 hours, traveling out Rt. 6 – west from Providence.

First came a tour of the ARRL Headquarters building where I talked with some of the staff involved with DXCC confirmation, toured the radio lab and saw where the QSL cards are sorted and 1,000,475 QSL cards were shipped from last year. The building houses lots of amateur radio museum pieces and of course all the ARRL publications are available for sale in the main reception area.



Carlos Wharton WP4US, Bob Barbour K1BAR & Greg Glynn W1VFB - ARRL QSL card sorting



W1AW Memorial Building

Then it was over to the older brick and stone **W1AW** Memorial building that was dedicated on September 2, 1938 in the memory of **Hiram Percy Maxim** – original call sign **1AW** - father of organized amateur radio and the first president of the American Radio Relay League. Three of the TACGroup members are also members of the Whitman Club and as you can see **The Bruce NI1X** brought along the Whitman Club flag to prove we were there. If I don't get a picture it didn't happen - you would have expected nothing less.



Don Burke KB1LXH, Greg Glynn W1VFB, Carlos Wharton WP4US, Bob Barbour K1BAR and The Bruce NI1X

The **W1AW** Memorial Building is flanked by antenna towers and is filled with state of the art equipment - we saw a Kenwood, a YAESU and over a half dozen ICOM transceivers. The equipment was top notch. It included computer logging with Heil Gold Line Mikes and hands free foot pedal push to talk (PTT) switches. The station provides daily code practice transmissions, amateur news bulletin service and general on-the-air operating. This station is a multi band, maximum legal power station ready to go on any mode at the throw of a switch.

OPERATION AT THE W1AW HIRAM PERCY MAXIM STATION Cont: By: The Bruce" NI1X

All it took was "CQ, CQ, CQ - this is W1AW - Whiskey One Alpha Whiskey - calling CQ and looking for any contact" to attract a pile up. The crew made 30 contacts with stations in both Europe and the United States. It helped that the transceivers we were using had amplifiers putting out 200 watts on 20-Meters and 800 watts on 17-Meters. The antenna farm was also very impressive.



Bruce Hayden NI1X
Bob Barbour K1BAR



Greg Glynn W1VFB
Operating W1AW



Carlos Wharton WP4US
Don Burke KB1LXH

The Bruce, operating as **W1AW / NI1X**, happened to make contact with **Chris DL2MDU** in Germany who reported that he had last talked with "**The Bruce**" as **NI1X** on April 26, 2004. **Bob K1BAR** had a long chat with **Bob KL7VB/9** who was in Wisconsin. On the way out the door, the crew made one last contact from the parking lot with **Joe** at **W1AW** to confirm the visit.

It was a privilege to operate as **W1AW** knowing that we were helping to perpetuate **Hiram's W1AW** memory among amateurs all over the world. Amateur radio is a fascinating hobby and it is a great feeling to be associated with amateur radio operators through out the world, who are promoting international good will and are known for their ability to get the message through when all else fails.

WHITMAN AMATEUR RADIO PUBLIC SERVICE NET (WARPSN)

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.

As part of our training, we encourage everyone to practice sending routine RADIOGRAM messages. In September we had 5 sessions with an average of 12 area HAMS checking in each week and 6 messages were sent.



October 12th & 13th NEARFest – Deerfield, NH. **Paul Burbine N1VTI** has volunteered to set up a Whitman Club table and sell goodies donated to the club. **Jeff Lehmann N1ZZN** is planning on setting up his NEARFest 103.1 FM radio station. It was reported that NEARFest profits will go towards funding a fully operational amateur radio station at the Christa McAuliffe Planetarium in Concord, NH.

October 14th – East Bridgewater YMCA Fall Frolic Road Race. **Carl Aveni N1FY**, President of the Massasoit Club, is looking for area HAMS to help provide communication support for this road race. The race starts at 10 a.m. and **Carl N1FY** would like the volunteers to meet in the YMCA parking lot at 9 a.m. to get assignments. Talk in on the Bridgewater REPEATER 147.180 MHz PL 67.

FOX HUNT - SATURDAY - OCTOBER 6, 2007

Most of the Fox Hunting Crew are shown gathered together just outside the Fox's Den - which was located in the Whitman Town Park. Shown standing L. to R. are

Roy Logan KB1CYV, Dan Chase KB1PFU, Mike Supple KB1OEP, Barbara Rice K1MRH, Bill Hayden N1FRE, Paul Moss KB1MTW, John Coombs WQ1L, Ron Stundze KB1OEQ, Ed Meehan N1NTZ and Bruce Hayden N1IX. Kneeling in front is **Jeff Lehmann N1ZZN** and **Paul Burbine N1VTI** – the Fox for the day with his 2-Meter go kit. Also participating but not present when this picture was taken were “**The Four Joe's**” - **Joe Serrilla W1JOE** and his son **Joe** along with **Joe Casieri KA1JBE** and his son **Joe**.



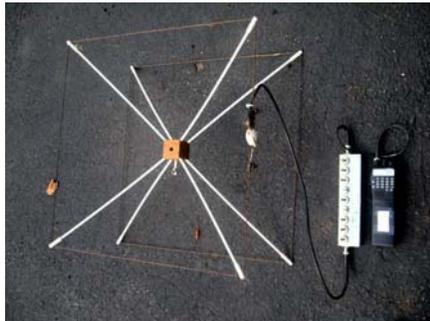
Paul Burbine N1VTI volunteered to be the Fox for the day. Saturday October 6th turned out to be a beautiful sunny day in the mid 80's. The elusive Fox abandoned his car and walked into the Whitman Town Park where he settled in with his chair behind the pond and fountain and watched as the Fox Hunters drove past the Fox's den. **Paul N1VTI** had his portable 2-Meter go kit and was transmitting at 5 watts every 6 minutes between 10 a.m. and noon.

Ed N1NTZ and **John WQ1L** like some of the Fox Hunters, wound up in the nearby cemetery where they were receiving the Fox's signal full strength with antennas pointed back toward the Whitman Town Park. Coming out of the cemetery, **Ed N1NTZ** dropped **John WQ1L** off for a “walk in the park” and soon **John WQ1L** was reporting that the “Fox was at hand”. **Ed N1NTZ** and **John WQ1L** came in first with **Jeff N1ZZN** not far behind. The **Bruce N1IX** was in a tough fight for last place.

Roy KB1CYV is shown holding a commercial directional finder made from a KIT and **Barbara K1MRH** is shown holding **Roy's KB1CYV** home made tape measure beam. **Bruce N1IX** had his hand held two element 2-Meter beam designed by **John WQ1L** with an attenuator. **Bill N1FRE** had fabricated a small loop antenna for his handheld transceiver. Other Fox Hunters used paper clips – making the antenna shorter and shorter as they got closer and closer to the Fox's Den.



Paul KB1MTW with club house beam



Bruce's N1IX beam and attenuator



**Roy Logan KB1CYV
Barbara Rice K1MRH**

FOX HUNT - SATURDAY - OCTOBER 6, 2007 Cont:

Some Fox Hunters had four element 2-Meter Beam antennas mounted on poles and sticking out the window of their car – They were a sight to be seen. To start with, all you need is a handheld radio receiver with a S-Meter that shows a stronger signal the closer you get to the Fox's Den. It is nice to have some kind of directional antenna and attenuator. Some Fox Hunters are able to get good results by body fading with a rubber duck antenna.



Paul N1VTI invited all the Fox Hunters over to his house for a back yard cookout. The camaraderie was great and a good time was had by all.

WHITMAN - KID FITNESS FESTIVAL By: Bill N1FRE

On a beautiful sunny Saturday - September 29th - a Kid Fitness Festival was held at the Whitman Hanson High School field next to Franklin Street Whitman. This was presented by the Whitman Hanson Education Foundation, Inc, and sponsored by the Rockland Hanson Rotary Club.



Paul Moss KB1MTW

The Whitman Emergency Management Agency (WEMA) Community Emergency Response Team (CERT) was invited to participate as traffic and people safety patrols. All six participating also happened to be HAM radio operators from the Whitman Amateur Radio Club. Although HAM radio frequencies were not used, the WEMA CERT GMRS handtalkies were distributed and used with success through out the four-hour event.

Some of the Fitness and mental challenges included Karate, Yoga, Dance, Fitness challenges, Build a Veggie Race Car, Obstacle Courses and much more.

Those of us volunteering to participate were, **Bob Schmitt KB1MTY**, W.E.M.A. Director, **Bill Hayden N1FRE**, **Paul Moss KB1MTW**, **Ed Meehan N1NTZ**, **Ron Stundze KB1OEQ**, and **Gloria Chiaramonte KB1OAV**. The event attracted hundreds of citizens, young and old, from Whitman and Hanson and went off with out any adverse incident as a fun time was had by all.

Bob Schmitt KB1MTY

Ron Stundze KB1OEQ



Gloria Chiaramonte KB1OAV

October 20th - New England Antique Radio Club Vintage Radio Show and Swapmeet

Manchester Bingo Center - John E. Devine Dr. (off South Willow Street)
Manchester, NH 7:30 a.m. to 12 noon. Check out www.nearc.net



WHITMAN AMATEUR RADIO CLUB, INC.

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



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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, Nov. 14th at 6:30 p.m.
Whitman Public Library

CLUB OFFICERS

President	Paul	N1VTI
V. President	Ron	N1PXX
Secretary	Jeff	N1ZZN
Treasurer	Jeff	N1SOM
Director	Mike	KB1OEP
Director	Ken	KB1KVL
Director	Paul	KB1MTW
Director	Bruce	N1IX

Editor	Bruce	N1IX
E-mail articles to:	ni1x@arrl.net	

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

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*

