



SPECTRUM



The Voice of the Humble Electron

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PRESIDENTS MESSAGE: This is **Paul N1VTI** – It has been a very busy year. The Plimoth Plantation Special Event was a great success with 26 Whitman club members and 5 area HAMs participating. You can read all about it in the Plimoth Plantation 2007 Special Issue newsletter.

In December, **Bill Hayden N1FRE** reported that six Whitman club members helped out at the Whitman Winterfest activities. **Bruce Hayden N1X** reported on members participating in the Monthly RADIOGRAM Training with the local Emergency Management Agencies. **Paul Moss KB1MTW** set up a portable Base Station at a local Boy Scout activity to introduce scouts to amateur radio. Several club members were heard making contacts on SKYWARN Recognition Day with **WX1BOX** National Weather Service Taunton.



**Paul Burbine
N1VTI**

The meetings have been packed to capacity. At the November meeting it was a full house with 32 members and visitors present to hear **Phil McNamara N1XTB** give his presentation on Winlink 2000 and the use of Airmail – an E-mail program that can operate over amateur radio frequencies instead of the Internet. At the December meeting it was standing room only with 35 members and guests present to hear **Dennis Foley SWL** and his brother **Paul N1KQR** give their very interesting presentation on Vacuum tubes.



For the January meeting we hope to hear all about your amateur radio activities. It would be even more fun if you brought in that new piece of equipment you received over the holidays or your latest project for show and tell. I wish you and your family a happy holiday and hope to see you all next year.

73 – From: Paul N1VTI

SILENT KEY

Nina Robbins WB1AOZ

Nina Robbins WB1AOZ and her late husband **Larry K1YBS** were founding members of the Whitman Amateur Radio Club. **Nina WB1AOZ** held the distinction of being the first woman member of the Whitman Amateur Radio Club and use to talk about going “hill climbing” with her husband back when 6-Meters was very popular. **Nina WB1AOZ** will be missed by family and friends.

Nina D. Robbins

BRIDGEWATER — Nina D. (Williamson) Robbins, 84 years, formerly of Bridgewater, died Friday, Dec. 14, 2007, at St. Joseph Manor. She was the wife of the late Lawrence C. Robbins.

She was born and raised in Mercer, Maine; a daughter of the late Alton and Delia (Mackechnie) Williams and moved to Bridgewater after her marriage over 60 years ago. She been a machinist at United Shank Machine in Whitman.

Mrs. Robbins enjoyed her cat and knitting. She had been a HAM radio operator and a member of the Whitman Radio Club. She was also a member of the Ladies Auxiliary of the VFW Post 2125 in Bridgewater.

She was the sister of Edith Boynton of S. Portland, Maine; Vera Hamon of Milford, N.H. and the late Alton Williamson Jr. and Elfie Williamson. She also leaves many nieces, nephews and cousins.

A funeral service will be held in the Conley Funeral Home, 138 Belmont St. (Rte. 123), Brockton, Tuesday, at 11 a.m. with visitation 10-11 a.m. Burial will be in Cedar Knoll Cemetery, Taunton at a later date. For condolences and directions www.conleyfuneralhome.com

SECRETARY'S NOTES OF THE MEETING OF NOVEMBER 14, 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-two members / guests were present, including the four elected Officers and the four Directors. A quorum was present.

N1ZZN	Jeff Lehmann	N1PXX	Ron Smith	N1VTI	Paul Burbine
KB1NAX	Joan Smith	KB1PFL	Jim Madden	KB1OEQ	Ron Stundze
K1REL	Bob Loring	K1BAR	Bob Barbour	K1MRH	Barbara Rice
KB1MTW	Paul Moss	N1FRE	Bill Hayden	KB1PFU	Dan Chase
KB1ODS	John Chase	NI1X	Bruce Hayden	KC1FZ	George Davis
N1WIG	Sam Webber	K1WGU	Bob Bass	KB1OEP	Mike Supple
KB1PHN	John Murphy	W1GMF	Gil Follett	KB1CYV	Roy Logan
KB1BTS	Priscilla Imhoff	KB1OSV	Matt Paine	WG1L	Jim O'Rourke
KA1PJX	Don Keene	KB1OAY	Dan Noyes	KB1OAW	Greg Noyes
N1XTB	Phil McNamara	N1SOM	Jeff Tracy	KC1ML	Mark Loring
KB1ODU	Ray Bolduc	KB1CHW	John Coombs Jr. (Guest)		

TREASURER'S REPORT: The treasurer's report for October was read by **Jeff N1SOM**. **Bill N1FRE** made a motion seconded by **Bob K1BAR** 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 **John KB1ODS** that the secretary's report be accepted as published in the October 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. **Paul KB1MTW** made a motion that a section be added to the application asking if the person is an ARRL member. The motion was seconded by **Jim KB1PFL** and approved. **Bill N1FRE** reports that he has been in contact with PLIMOTH PLANTATION, and that we are all set to hold our annual special event on November 24-25. The only change will be that we cannot set up antennas on the top balcony of the main building as we have done in the past. The antenna crew will gather on Friday morning at 10:00 a.m. in the lower bus parking lot. **Bill N1FRE**, **Roy KB1CYV**, and **Jeff N1ZZN** will provide HF base stations for the event. **Paul N1VTI** and **Bruce NI1X** will bring radios for backups. **Bruce NI1X** has the log books and **Bill N1FRE** will insert a page to each one describing the event. **Paul KB1MTW** reported that there is no new news about upgrading the clubhouse electrical system. **Bruce NI1X** reported on the various JOTA events that took place around the area. **Mark KC1ML** reported that boy scouts in Holbrook are looking for help with their radio merit badges. **Paul N1VTI** and **Paul KB1MTW** reported that the club table at NEARFest was a great success. **Bruce NI1X** made a motion that the club give both **Pauls** \$20 to pay for their admission to NEARFest. The motion was seconded by **Bob K1BAR** and approved. **Jeff N1ZZN** reported that the letter is ready to be sent to the town of Hanson, inquiring about a possible location for the club repeater. **Bruce NI1X** reported that the new club patches are in.

NEW BUSINESS: **Bruce NI1X** reported that the tube guys will display some of their collection of unique tubes at next month's meeting. **Jim WG1L** reported that he had recently purchased the new Yaesu FT-1802 2 meter mobile rig, for a cost of only \$129.99. It was not mentioned at the meeting, but mentioned on the Sunday morning net that the Whitman Winterfest will be held on December 2nd. We will be providing communications for the event. Contact **Bill N1FRE** for more information.

SECRETARY'S NOTES OF THE MEETING OF NOVEMBER 14, 2007 de N1ZZN Cont:

CLUB ANTENNA ANALYZER LOCATION: Pine Street club house

NET CONTROLS: 11/18: Ron N1PXX 11/25: Roy KB1CYV @Plimoth Plantation 10:00 a.m.

CLOSE: President Paul N1VTI closed the business meeting at 7:00 p.m. on a motion by Bruce NI1X seconded by Jim WG1L. The motion was approved.

PRESENTATION: Following the business meeting, Phil N1XTB did a presentation about Winlink 2000, the email over amateur radio system. His slides will be made available on the club web site.

SECRETARY'S NOTES OF THE MEETING OF DECEMBER 5, 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-five members / guests were present, including the four elected Officers and the four Directors. A quorum was present.

K1MRH	Barbara Rice	K1REL	Bob Loring	K1WGU	Bob Bass
K1XRB	Peter George	KA1PJX	Don Keene	KB1BTS	Priscilla Imhoff
SWL	Eva Imhoff	SWL	Roger Imhoff	N1ZZN	Jeff Lehmann
KB1CYV	Roy Logan	KB1ETW	Jim Halpin	KB1KVL	Ken Kavaljian
SWL	Pat Kavaljian	WQ1L	John Coombs	KB1MTW	Paul Moss
KB1NAX	Joan Smith	KB1ODS	John Chase	KB1ODU	Ray Bolduc
NI1X	Bruce Hayden	KB1OEP	Mike Supple	KB1OEQ	Ron Stundze
KB1OSV	Matt Paine	KB1PFU	Dan Chase	KB1PHN	John Murphy
KC1FZ	George Davis	N1FRE	Bill Hayden	N1KQR	Paul Foley
SWL	Dennis Foley	N1OYH	Carl Davis	N1PXX	Ron Smith
N1SOM	Jeff Tracy	N1VTI	Paul Burbine	N1WIG	Sam Webber
KB1CHW	John Coombs Jr.	KB1OEO	Ross Hochstrasser		

TREASURER'S REPORT: The treasurer's report for November was read by Jeff N1SOM. Ed N1NTZ made a motion seconded by John WQ1L that the treasurer's report be accepted as read. The motion was approved.

OLD BUSINESS: Bruce NI1X reported that he has the certificates for those that operated, and/or made contact with the Plimoth Plantation special event station. He also reported that we were successful in making a contact between Plymouth, MA and Plymouth, England via Echolink. Bill N1FRE reported that the article he presented to the Whitman Times was published in that paper, and is available free at various locations around town. Bill N1FRE reported that several Whitman club members / Community Emergency Response Team (CERT) members helped out with communications during the Whitman Winterfest. Jeff N1ZZN reported that that Hanson Fire Chief/EMA director contacted him regarding helping find a new location for the repeater. He indicated that the water tank and industrial park towers would most likely not work, but he would be willing to ask around about some other locations after the New Year. Ray KB1ODU reported that he is working on his over the air Echolink system, to be used part time on the 147.225 repeater. The link will be available Sunday mornings for the Net, just look for KB1ODU-L.

SECRETARY'S NOTES OF THE MEETING OF DECEMBER 5, 2007 de N1ZZN Cont:

NEW BUSINESS: A motion was made by **Bill N1FRE** and seconded by **Ed N1NTZ** that dues would be accepted starting at that meeting, and will be collected through January, the motion was approved. **Ken KB1KVL** reported that Whitman club members are invited to join the Genesis club dinner at the Monponsett Inn on January 5th at 1 p.m. **Jeff N1ZZN** reported that the Massasoit club has also invited Whitman club members to their dinner on Wednesday January 23rd at 7:00 p.m. at the Fireside Grill at the Middleboro rotary. The cost is \$20, and the payment must be given to **Phil N1XTB** by January 2. The menu choices are baked stuffed chicken, traditional baked haddock and marinated London broil. **Paul KB1MTW** made a motion that another amateur radio book be donated to the Whitman Public Library. The motion was seconded by **Ed N1NTZ** and approved. The library also informed us that their supply of QST magazines has grown too large to be held at the library. **Bob K1REL** volunteered to collect the extra magazines and file them at the clubhouse with the help of **Paul KB1MTW**. **Ron N1PXX** has a Lafayette 6 meter AM radio for sale, and had it to display at the meeting. It was noted that **Steve W1WSN** had written an article for QST about the stealth HF antenna he had installed on his condo in Florida.

CLUB ANTENNA ANALYZER LOCATION: Pine Street clubhouse

NET CONTROLS: 12/9: **Bill N1FRE** 12/16: **Mike KB1OEP** 12/23: **Jeff N1SOM**
12/30: **Bruce N1IX**

CLOSE: President **Paul N1VTI** closed the business meeting at 7:10 p.m. on a motion by **Ed N1NTZ** seconded by **Paul KB1MTW**. The motion was approved.

PRESENTATION: Following the business meeting, **Dennis Foley SWL** and **Paul Foley N1KQR** displayed and talked about several different types of vacuum tubes.

BOY SCOUT – WHITMAN TROOP 22 - AMATEUR RADIO DEMONSTRATION

On a December weekend in Whitman, Troop 22 Boy Scouts were having their annual "camp-in" at the Cardinal Spellman Center. As part of that activity, **Paul Moss KB1MTW** set-up a HAM station using his YAESU FT-990 HF rig with the club's Cushcraft R6 antenna. **Paul KB1MTW** also set up **Walter Dolson's K1BZD** 2-Meter transceiver and connected it to his home-brew 2-Meter portable antenna.

Also included as part of the station demonstration was a 10-channel Bearcat scanner. The purpose of the station was to give the scouts the opportunity to see and hear an active HAM station and to perhaps do some "on-the-air" talking.

The scouts were encouraged to take steps to earn the "Radio" merit badge. **Mike Supple KB1OEP**, who is a member of the troop staff, was also present to help answer questions and talk about HAM radio. It is the hope of **Mike KB1OEP** and **Paul KB1MTW** that a "spark" has been lit to encourage future HAMs.



Paul Moss KB1MTW and
Mike Supple KB1OEP with scouts
from Whitman Troop 22

WHITMAN WINTERFEST By: Bill Hayden N1FRE

Winterfest activities in Whitman December 2, 2007 - Ten CERT and HAM volunteers reported to assist in the activities. 6 of the 10 were Whitman ARC members. **Bob Schmitt KB1MTY**, and **Chief Travers** co-coordinated activities from ground level at the hot chocolate factory and cookie distribution center in the ambulance bay of the fire station where these valuable commodities were being dispatched to many strategic locations in the downtown area through-out the afternoon.

The WEMA EOC radio communication center was activated and manned by **Bill N1FRE** during the event. WEMA Motorola public safety radios were assigned to each volunteer team. The WEMA frequency of 484.250 pl-203.5, was used through-out the event for two-way communication. **Jeff N1SOM** and **Ron KB1OEQ** were at the hayride event helping the people at that location getting in and out of the horse-drawn wagon. **Mike KB1OEP** and his wife **Susan** were at the trolley ride event helping people on and off of this event as well as keeping an eye on the Moon-Walk attraction. **Paul KB1MTW** and **Janine Eaton**, (Red Cross CERT member), were at the town hall helping out at various activities such as face painting, pie eating, etc. **Gloria KB1OAV** and her



husband **Bill** were at the Mutual Bank location dispensing hot chocolate and cookies while helping out with the long lines waiting to have their picture taken with 'Santa'. During the event the Whitman police and fire personnel were also tied into our frequency via their radio systems as part of our "interoperability test", and were able to, and did, communicate directly with us during the event

This big step forward for the town, "interoperability test", was coordinated by **Bob KB1MTY**, WEMA Director and Whitman ARC members. The EOC monitored the Whitman police and fire frequencies as well, so as to be aware of any of their normal activities that may affect our mission as 'helpers'.

The Whitman ARC REPEATER was also monitored by our HAMS on the scene as well as at the EOC. All of these modes of communication were available at the EOC on a priority basis. This fun event proved to be a great test of the WEMA - CERT and Whitman HAM community's improved capability to help when called upon whether in time of need or just for fun as a test.

73 From: Bill N1FRE

RADIOGRAM TRAINING - FIRST MONDAY OF THE MONTH

Rudy Burer KB1LXI and **Bruce Hayden N11X** are shown at the Taunton Emergency Operations Center (EOC) following the December - First Monday of the month RADIOGRAM Training.

Bill Hayden N1FRE, reported that he along with **Paul Moss KB1MTW** and **Mike Supple KB1OEP** had unknown radio problems at the Whitman EOC.

Listen in on the Norwell REPEATER 145.250 MHz pl 77 at 8:00 p.m. on the first Monday in January (Jan. 7th) and copy along.



Rudy Burer KB1LXI
Bruce Hayden N11X

TECHNICAL TOPICS -- VACUUM TUBES -- REAL RADIOS GLOW IN THE DARK

Dennis Foley SWL and his brother **Paul Foley N1KQR** gave a presentation on vacuum tubes at the December meeting. **Dennis SWL** reports that they have about 30,00 tubes in their collection and can supply the tube requirements for any of your antique radio or 1950's amateur radio restoration projects.



Dennis Foley SWL & Paul Foley N1KQR at the December meeting

Dennis SWL could access tube data at his fingertips using a laptop. He passed around several tubes and explained their use and special features. **Ross Hochstrasser KB1OEO** brought in some of his tube collection to compliment the presentation.

We saw a glass tube under construction. The tube elements had been inserted in one end of a glass tube and sealed with the connecting wires protruding from the sealed end. The open end would be connected to a machine that either draw a vacuum or inserted an inert gas and then the smaller section of the tube would be heated up, sealed off and removed leaving a pointed tip.



Tube under construction

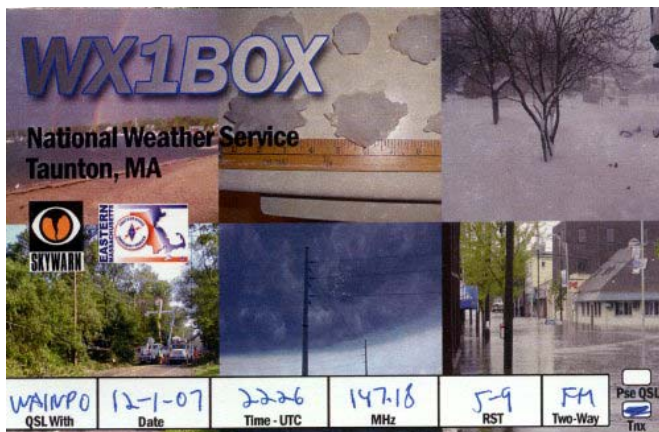


572B tube

We were reminded that the basic tube consists of a filament, a cathode, a grid and a plate element. **Paul N1KQR** showed us where the term "real radios glow in the dark" came from when he energized some tube filaments that drew 100 watts.

Dennis SWL and **Paul N1KQR** have all the necessary tube testing equipment and are willing to help you with your tube requirements. You can contact them directly at E-mail paul.b.foley@verizon.net or Tel: 508-583-8823

SKYWARN Recognition Day with WX1BOX National Weather Service Taunton.



Rob KD1CY reported that this was a way of saying thanks to all the Skywarn Observers who provide the real – time information on severe weather with a day of fun and recognition of the critical Intelligence gathering services given the communities by the HAMS.

Mark Duff KB1EKN was operating 2-Meter simplex with **W1BOS**, the Boston Amateur Radio Club, from the top of the Blue Hills and was easily picked up by the local HAMS

FOR SALE - 6-METER RIG

Ron Smith N1PXX brought in a 6-Meter transmitter and 6-Meter receiver and offered to sell the pair for \$100.00. The transmitter has positions for 5 crystals and a position for an external VFO.

The members present thought it was a Kit from the 1950's and probably AM. Contact **Ron N1PXX** at rattdogcom@comcast.net or give him a call at 781-293-3532 if you are interested or know someone who might be.

Ron N1PXX also has a Grundig Satellit 800 Millennium receiver with manuals in mint working condition.



Ron Smith N1PXX

WINLINK 2000 PRESENTATION - By: Phil McNamara N1XTB

It was a full house with standing room only when **Phil McNamara N1XTB** gave a power point presentation on Winlink 2000 (WL2K). The system uses a program called Airmail to send E-mails via amateur radio frequencies through a network of Telpac Nodes that act like Packet Bulletin Boards and store messages for Winlink 2000 amateur radio users.



**November meeting presentation
by Phil McNamara N1XTB**

Phil N1XTB brought in his "Radios in a Box" along with a laptop computer and followed up with a live demonstration by connecting to area Telpac nodes and sending E-mails using Airmail software.

Phil's N1XTB power point presentation has been posted on the Whitman Club Web page. See www.wa1npo.org home page.

To learn more about how Airmail works with Winlink 2000 go to: <http://www.winlink.org>

Phil McNamara N1XTB is a member of both the Massasoit and Whitman Amateur Radio clubs. He is also deeply involved with Military Amateur Radio Service (MARS) and is the MARS Liaison Emergency Coordinator for Amateur Radio Emergency Service (ARES) in this area. **Phil N1XTB** has added Winlink 2000 with Airmail as one more tool in his emergency communication tool box of equipment and software.



**Phil McNamara N1XTB
Winlink 2000 demonstration**



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, Jan. 2nd 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	NI1X

Editor	Bruce	NI1X
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*

