



# SPECTRUM



## MARCONI SPECIAL EVENT – Jan 11<sup>th</sup> - 19<sup>th</sup>

**PRESIDENTS MESSAGE:** This is “The Bruce” NI1X - The following is the CW message that was sent from the Marconi Special Event Station in Eastham, Mass on Saturday January 18<sup>th</sup> 2003 and copied by HAMS all over the world. The 100<sup>th</sup> anniversary celebration – Marconi Special Event Station - was truly a once in a lifetime momentous event that generated a little over 12,800 contacts and lots of good publicity for this fascinating hobby of amateur radio. Just imagine coping this message, as I was, and discovering that President Bush said “I commend the Marconi Radio Club” – **WOW** – what a great Amateur Radio experience.

QST QST QST de KM1CC KM1CC

The 1903 and 2003 Presidential Messages to follow –

His Majesty King Edward 7<sup>th</sup> London, England - In taking advantage of the wonderful triumph of scientific research and ingenuity which has been achieved in perfecting a system of wireless telegraphy, I extend on behalf of the American people most cordial greetings and good wishes to you and all the people of the British Empire – Theodore Roosevelt – President of the United States –

Message from the President of the United States George W Bush to follow –

**The White House – Washington – I send greetings to those celebrating the 100<sup>th</sup> anniversary of the first wireless telegraph transmission between the United States and Europe. In January 1903, President Theodore Roosevelt, in message to King Edward 7<sup>th</sup>, recognized Guglielmo Marconi’s inventions as a wonderful triumph of scientific research and ingenuity. By inventing the first practical system of wireless telegraph, Marconi pioneered international communication and opened the door for technological advances that have improved the lives of countless Americans and people around the world. I commend the Marconi Radio Club for honoring the accomplishments of Guglielmo Marconi and I applaud your efforts to inspire future innovators to work hard to realize their dreams. Laura joins me in sending our best wishes for a memorable celebration - George W Bush President of the United States de KM1CC**





photo courtesy of Marconi Company, Ltd.

## KM1CC

Marconi Cape Cod  
Memorial Radio Club  
Cape Cod National Seashore  
99 Marconi Site Road  
Wellfleet, MA 02667

CONFIRMING QSO WITH		DAY MONTH YEAR			
UTC	MHz	RST	2-WAY	QSL PSE THX	

**FN 51**  
Barnstable County  
USA

<http://www.nps.gov/caco>

**ORGANIZATION:** Shown in the photo is **Barbara Dougan KB1GSO**, the educational specialist for the Cape Cod National Seashore and the trustee for the call **KM1CC** that belongs to the Marconi Cape Cod Radio Club. Along with her many responsibilities, **Barbara KB1GSO** made all the arrangements with the National Park Service – Cape Cod National Seashore to sponsor this Special Event, supply two complete HAM radio stations and schedule the use of the old Coast Guard Station in Eastham, Mass. that is now used as part of the Cape Cod National Seashore environmental education program. It was an excellent facility for overnight operations.

**Pi Pugh K1RV** volunteered to be the Operations manager and coordinated the equipment setup that included rigs, antennas and a network that linked all the computer logging at each station so that we had a running total of contacts by band and mode of operation. A fantastic achievement in itself.

**Carl Aveni N1FY** volunteered as the shift manager and rotated operators for 9 days - keeping the 5 HF stations “on the air” 24 hours a day. A special thanks goes to **Carl N1FY** who arrived the first day and stayed through till the end, working long hours with little or no sleep, to put us all “On The Air”.



**Pi K1RV, Barbara KA1GSO & Carl N1FY**

### **MARCONI’S DAUGHTER**

**Princess Elettra Marconi** visited the Special Event Station where she is seen talking with “her friend” **Bob “Whitey” Doherty K1VV** – President of the Marconi Radio Club and **Bruce Beaman K1HTN** who was operating a Morse code station at the time.

**Whitey K1VV** first applied for the Marconi Radio Club license in 1975 and operated during the 1978 - 75<sup>th</sup> anniversary event. **Whitey K1VV** has been a driving force for the past 25 years in keeping the Marconi Special Event Station active and has done an outstanding job of public relations. **Whitey K1VV** has kept us all informed through e-mails and the Marconi Radio Club – **W1AA** - WEB Page.



**Princess Elettra, Bruce K1HTN & Whitey K1VV**

**AUTOGRAPHED BOOKS:** **The Bruce N1IX and Walt Fitzgerald N1LHD** both took advantage of having a book on Marconi signed by Princess Elettra Marconi. The book is “Marconi My Beloved” by his wife Maria Christina Marconi which should reveal more of the “real man” than the strictly scientific books we have read in the past.

**SURPRISE CONTACT:** **Bob Burns K1RB** reported that the high point for him was working **W1OP** on Sunday and talking to **Princess Elettra** (at **W1OP** in Providence) on 40 meter phone from **KM1CC**. After a few exchanges he turned the mike over to **Barbara KB1GSO** who summarizing the whole event.



**Princess Elettra Marconi**

## INTERNATIONAL SPACE STATION CONTACT

**Barbara KB1GSO** had gone through the long application process and was successful in making arrangements with NASA for students from three Cape Cod High Schools to talk with astronauts aboard the orbiting International Space Station. **Barbara KB1GSO** reported that she and **Princess Elettra Marconi** along with several students had the once in a life time opportunity to talk with Expedition Commander **Kenneth Bowersox KD5JBP** on Saturday January 18<sup>th</sup> using a communication link furnished by NASA. This activity was set up at the Salt Pond Visitor Center auditorium and was completely independent of the amateur radio Special Event operation.

### FIRST CAME THE ANTENNA CREW

On January 5<sup>th</sup> about 30 people, shown in the photo in front of the Coast Guard Building, helped finish installing over 12 antennas which included two military towers with Force 12 C-4 and Force 12 C-3 beams each up about 35 feet overlooking the Atlantic Ocean with a 6 meter beam on top of one of them. A 160 meter inverted Vee at 70 feet. A Cushcraft R-8 vertical. A 75 meter dipole up 40 feet and several 2 meter / 440 MHz antennas along with a complete Satellite system. The Whitman Club members furnished an R-5 vertical antenna, an "Outbacker" and a SG-237 automatic antenna tuner connected to a wire slopper.



The Jan. 5<sup>th</sup> Antenna Crew

THE PARTICIPATION WAS FANTASTIC: About 100 area Amateur Radio operators signed the log as they came in to man the 5 HF Base Stations, three 2 meter / 440 MHz Base Station and two Satellite Stations.

The Whitman Club operators who participated during the Special Event were are **Bruce Hayden N1IX**, **Chris Tilden N1WWI**, **Jim Gilbert W5IRW**, **Bob Burns K1RB**, **Jeff Lehmann N1ZZN**, **Roy Logan KB1CYV**, **Joe Serrilla W1JOE**, **Charlet Sherman N1VQZ**, **Jim Wolf N1OIU** and **Bill O'Hara KB1IUB**.

Some of the other area HAMs seen were **Carl Aveni N1FY**, **Don Tanguay N1DT**, **George Pedro KE1KR**, **Mike Wilber N2JWW**, **Bruce Beaman K1HTN**, **John Whitey N1PRK**, **Don Beneciti K1DC** and **Bob Mandeville N1EDM**. **Pi Pugh K1RV** was also there with a crew from the US Salem Club. Other HAMS staying over were from as far away as Maine and New Jersey.

**HISTORY LESSON:** When the public first walked into the Special Event Station they received a brief history lesson as we explained how Marconi made history by sending the first Trans-Atlantic wireless message on January 18<sup>th</sup> in 1903. He had built stations in Poldhu, England - Glace Bay, Nova Scotia and South Wellfleet, Mass. His spark gap transmitter ran on 25,000 volts and it was reported that the sound of the spark could be heard four miles downwind from the station. The Marconi system was radiating at about 366 meters with a quarter wavelength of 300 feet. At Wellfleet four 200 foot wooden towers replaced the original ring of 20 masts that collapsed during a storm. Marconi's kite and balloon antenna experiments all supported antennas that were 500 feet or longer. One very practical use for Marconi's Spark technology was ship to ship and ship to shore wireless communication. The Wellfleet station remained in commercial use for 15 years.

**Carl Aveni N1FY** reported a thrilling experience while operating one night. While operating with the antenna pointed East toward Europe he made contact with a HAM in Arizona who had his antenna pointed West toward the Pacific. After swinging their antennas around and getting a weaker signal, they concluded that the strongest signal was traveling by "Long Path" all the way around the world. I am sure that Marconi would be proud of this technological accomplishment.



## SPARK GAP TRANSMITTER AND COHERER RECEIVER

A working Spark Gap transmitter and working “Coherer” receiver, sitting one foot apart, were demonstrated to the public at the Special Event. Believe me - the sound of a spark gap transmitter was very impressive.

**George Pedro KE1KR** is shown operating the Spark Gap transmitter. The spark coil can be duplicated with a car ignition coil. The original spark gap transformers were encased in wood and look and operate very similar to a Model T spark coil. This device sends pure noise. Allan Saunders from Cotuit on Cape Cod stop by and reported that he had operated a Spark Transmitter on his first ship assignment in 1937 and that the noise of the Spark Gap transmitter brought back memories.



**George Pedro KE1KR**



**George KE1KR & Dave AA1A**

**Dave Riley AA1A**, shown in the photo with **George Pedro KE1KR**, build a working “Filing Coherer” spark detector by filling a glass tube with filings that included shavings from a silver nickel. The spark energy fuses the metal filings together and the coherer conducts electricity from a battery to a doorbell like devise that is used to tap the glass tube. When the spark energy goes away, the tapping of the tube brake up the fused filings and the coherer stops conducting and the doorbell like devise is turned off. A simple on – off detector essentially identical to the 1903 design that Marconi was experimenting with.

It was reported that Marconi tried hundreds of different metals while building his Coherer detector and that coherer development was “the fruit of the work of various individuals and not just one person”.

## SATELITE OPERATION

Two complete satellite stations were set up. One inside the Coast Guard Station as part of the inside tour and one was a mobile Satellite “rover” station set up in a camper outside.

The Satellite tracking antennas could rotate both horizontally and vertically and could start tracking a satellite as it came over the horizon with the aid of a satellite tracking computer program. **Joe Serrilla W1JOE** is shown talking with **Richard Meuse N1HID** who brought one of the satellite systems and as I understand it - voice signals were being transmitted “up-link” on one band, converted to another band in the satellite, and retransmitted “down-link” on the other band. The visitors got to see the computer satellite tracking program in action and hear about Doppler Shift, where the signal changes frequency slightly, making it hard to tune in, depending on whether the satellite is coming at you or going away. A truly fascinating mode of amateur radio operation.



**Richard Meuse N1HID & Joe Serrilla W1JOE**

## TAKING A SHIFT AT THE ECHOLINK BASE STATION

**Jim Wolf N1OIU** is seen at the EchoLink radio system where a 440 MHz radio is tied into a computer that is running the EchoLink program. **Jim N1OIU** is able to access the 440 MHz radio via a handheld radio and talk with other HAMs, all over the world, who have the EchoLink system installed at their home QTH.

**Jeff N1ZZN** accessed the EchoLink directly through his home computer and spoke with the Marconi Crew during the week using the mike and speaker in his computer. Only licensed Hams are granted access to the EchoLink and put in the EchoLink database. When you “run” the EchoLink program on your computer your call sign shows “on” and other stations can contact you. **Gil Follett W1GMF** and **Doug Cogini N1KQZ** logged in via the EchoLink system. **The EchoLink turns your computer into an Amateur Radio Station that uses the internet instead of the wireless airwaves**



**Jim Wolf N1OIU**

**VINTAGE EQUIPMENT: Don Benecchi K1DC** is shown with his 1954 Johnson Viking Ranger AM/CW transmitter and a 1939 Hallicrafter SX-24 receiver. This working station made contacts using the AM mode of operation and demonstrated a 1950'S Vintage Amateur Radio set-up. **Don K1DC** reported that he checked in with the “Old Military Net” which added contacts from HAMs who restore and operate old military AM equipment.



**Don Benecchi K1DC**

There were many - many walk-in visitors, both HAMs and non-HAMs, who had heard about or read about the Special Event in the local papers and stopped by to check out this happening on Cape Cod. Try to imagine the rooms full of commotion as the EchoLink, the Internet Radio Linking Project (IRLP), the Satellite Operation and the Marconi story were being explained to the visitors with the sounds of the “Spark Gap” demonstration along with actual Morse code and voice contacts being made in the background.

### INTERNET RADIO LINKING PROJECT

**Bruce Beaman K1HTN** and **Bob Mandeville N1EDM** are seen explaining the Internet Radio Linking Project (IRLP) to some scouts and their leader. The IRLP Base Station was the new Icom IC-2800 dual band 2 meter / 440 MHz transceiver that is part of the National Park Service HAM radio station.



**Bruce K1HTN & Bob N1EDM**

The Marconi Operator is demonstrating how on Saturdays between 3 PM and 6 PM the Crew on the USS Salem frequently connect to the Scituate REPEATER and then access, through the internet via the Scituate Repeater's “IRLP” link to Antarctica, the local REPEATER at McMurdo Station. The local HAMs stationed at McMurdo Station in Antarctica can then access their local REPEATER, using their handheld transceivers, and talk directly with Scouts on the USS Salem. This 2-Meter amateur radio equipment has a range between 5 and 30 miles and is available to licensed amateurs holding the technician class beginners license giving the technician class operator the ability to talk all over the world.



## FOUR (4) ICOM IC-756 PRO II BASE STATIONS

**The Bruce NI1X** is shown logging in a 40 meter CW contact (yes that is CW as in Morse Code) at one of the four ICOM IC-756 PRO II Base Station that were on loan from ICOM for the Marconi Special Event. These transceivers replaced our personal equipment and helped make this Marconi Special Event a great success with a little over 12,800 contacts made in a 9 day period.



**Bruce Hayden NI1X**

**The Bruce NI1X** has a IC-756 Pro II rig at home and was pleased to hear the other Marconi operators rate this rig as user friendly. This meant that the equipment in operation and on display to the public ranged from Marconi's Spark Gap to a "State Of The Art" transceiver.

**Roy Logan KB1CYV** is shown operating the 20 Meter Base Station, one of two complete HF amateur radio stations owned by the Cape Cod National Seashore. The station consisted of a Kenwood TS-2000 transceiver, an Ameritron AL-80B amplifier, a Ameritron ATR-30 antenna tuner and power supply all coasting at about 500 watts.



**Roy Logan KB1CYV**

**Roy KB1CYV** is shown using a hands free mike and earphone combination and is operating the transmitter with a foot switch while logging in contacts on the computer. This setup allowed the shift operators to log in contacts at a fast and furious pace. This 20 Meter Base Station logged in the most contacts.

**Jeff Lehmann N1ZZN** is shown operating one of the Icom IC-756 PRO II Base Stations and reports having a great time operating this state of the art equipment and finding 6 meters "The Magic Band" open to the middle of the United States.



**Jeff Lehmann N1ZZN**

**Jeff N1ZZN** was first licensed at 13 years of age and now at 18 years old is still the youngest member of the Whitman Amateur Radio Club. **Jeff N1ZZN** has been volunteering his time at the USS Salem and can be heard serving as Net control on the local traffic Nets.

By the end of the week **Jeff N1ZZN** was giving **The Bruce NI1X** lessons on the various operating features of the Icom IC-756 Pro II transceivers such as taped CQ Messages.

A major milestone was reached late Friday afternoon when all operations ceased while **Barbara KB1GSO** made the 10,000<sup>th</sup> contact. It was also fitting that as we approached the 7:00 PM closing time on Sunday that **Barbara KB1GSO** made the last contact of the Special Event with **KD6FKP** operating mobile in San Diego – coast to coast.

## RADIOGRAM MESSAGE CENTER

The Bruce N1IX is shown with Ed and Shirley Sabin who are the Cape Cod National Seashore Park volunteers who sent the first two RADIOGRAM messages from the Marconi Special Event Station to their grandchildren in Pennsylvania and California.



Ed Sabin, The Bruce N1IX & Shirley Sabin

This message center gave the visitors to the Marconi Special Event the opportunity to send RADIOGRAM "Greetings from the Marconi Special Event" to friends and relatives via amateur radio. We were able to explain to the visitors how we practice sending these routine messages, on a daily basis, via the amateur radio National Traffic System, to amateur radio operators in the local neighborhood who pick up the phone and deliver the message free of charge. We were also able to explain how these routine messages could quickly switch to priority or emergency messages in times of National or local emergencies.

What a pleasant surprise when Ed and Shirley returned a few days later with a big pot of chili for the crew and reported that the first message had been delivered. They later reported that the second message had been delivered before the week's activities were over.



Pi Pugh K1RV & Bob Burns K1RB



Tee Shirt Design



Bob Mandeville N1EDM

The take down and clean up crew is shown on the Monday following the Special Event. In all about 20 volunteers came down to help Pi K1RV and Barbara KB1GSO take down the antennas, break down the operating stations, package up the four ICOM IC756 Pro II equipment for shipping back to ICOM and make a clean sweep of the old Coast Guard Station.

As we were walking out the back door it was reported that the QSL card requests were being carried in the front door in boxes. I suspect that a very high percentage of the amateur radio operators who made over 12,800 contacts will send their QSL card along with an SASE and a request for a QSL card in return. Once again a great time was had by all who volunteered their time for this once in a lifetime experience. For more pictures see the W1AA web site at:

[http://personal.tmlp.com/k1vv/w1aa/w1aa\\_1001.htm](http://personal.tmlp.com/k1vv/w1aa/w1aa_1001.htm)



The Take Down and Clean-up Crew



**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 Winter meetings are held at the  
Whitman Public Library which is  
located at 100 Webster Street  
in Whitman, Mass.***

**Next Meeting  
Wednesday, Feb. 5<sup>th</sup> at 6:30 PM  
Whitman Public Library**

**CLUB OFFICERS:**

President	Bruce	NI1X
V. President	Bill	N1FRE
Secretary	Roy	KB1CYV
Treasurer	Jeff	N1SOM
Director	Jim	W5IRW
Director	Paul	N1VTI
Director	Steve	W1WSN
Director	Chris	N1WWI

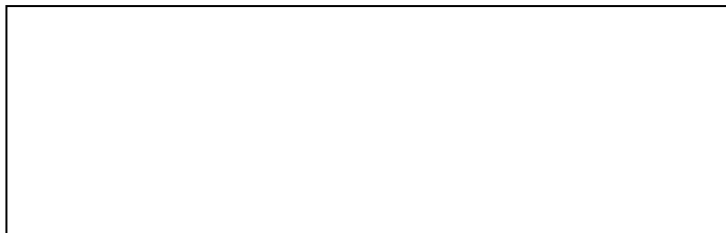
E-mail articles to: NI1X @ arrl.net

Web Site: <http://www.qsl.net/wa1npo>

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Club Repeater Station:                      147.225 MHz (CTSS 67 Hz)                      449.875 MHz (CTSS 88.5 Hz)

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







The Whitman Amateur Radio Club, Inc.

January 2003

# SPECTRUM



**PRESIDENTS MESSAGE:** This is “The Bruce” NI1X – The New Year certainly started off with a once in a lifetime momentous event. The 100<sup>th</sup> anniversary Marconi Special Event activities that took place at the Coast Guard Station in Eastham, near Wellfleet on Cape Cod, was the big amateur radio event for the month of January. Members of the Whitman Club along with many area HAMS and ICOM volunteered their time and equipment to help out with this great amateur radio activity that generated thousands of contacts and lots of good publicity for this fascinating hobby of amateur radio. Come to the next meeting and learn first hand about all the innovative ideas that went into making this Special Event a great success. The January 5<sup>th</sup> antenna crew is shown here on the beach.



## *WAINPO Traffic Messages*

Featuring our Traffic Manager, Walt K1BZD  
Submitted by Charlet N1VQZ



### December 2002 Traffic

Date	Prec	HX	Station of Origin	Check	Location of Orig	Date
12/29/02	R		K1BZD	11	WHITMAN, MA	12/29/02 08:55 est
<b>Message Body</b>						
WARPSN		DECEMBER		TRAFFIC	REPORT	SESSIONS
5		QNI		58	QTC	13
73						
<b>Signature: WALT K1BZD</b>						
<b>Rec'd From: K1BZD</b>			<b>On: 12/29/02</b>	<b>Sent To:</b>		<b>On:</b>

**SECRETARY'S NOTES OF THE MEETING OF January 8, 2003 de KB1CYV**

**OPENING:** The members started gathering at the Whitman Public Library, Whitman, MA around 6:15 P.M. President **Bruce NI1X** opened the meeting at 6:35 P.M. with a roll call.

**ATTENDANCE:** Twelve members were present, including all of the elected officers and three of the directors.

<b>NI1X</b>	<b>Bruce Hayden</b>	<b>KB1CYV</b>	<b>Roy Logan</b>	<b>N1NTZ</b>	<b>Ed Meehan</b>
<b>WQ1L</b>	<b>John Coombs</b>	<b>N1VQZ</b>	<b>Charlet Sherman</b>	<b>N1WWI</b>	<b>Chris Tilden</b>
<b>W5IRW</b>	<b>Jim Gilbert</b>	<b>KB1IUB</b>	<b>Bill O'Hara III</b>	<b>N1VTI</b>	<b>Paul Burbine</b>
<b>N1SOM</b>	<b>Jeff Tracy</b>	<b>N1FRE</b>	<b>Bill Hayden</b>	<b>WA1NYC</b>	<b>Bill O'Hara Jr.</b>

**TREASURER'S REPORT:** The Treasurer's report was read by **Jeff N1SOM**. A motion was made by **Ed N1NTZ** and seconded by **John WQ1L** that the Treasurer's report be accepted as read. The motion was approved.

**SECRETARY'S REPORT:** A motion was made by **Ed N1NTZ** seconded by **John WQ1L** that the Secretary's report be accepted as published in the December Newsletter. The motion was approved.

**HEALTH & WELFARE:** **Mike Marinucci N1FRV** is recuperating at home after bypass surgery. Good to hear you back on the air, Mike.

**OLD BUSINESS:** **Bruce NI1X** sent a thank you letter to Plimoth Plantation for allowing us once again to hold our special event on Thanksgiving weekend. **Bruce NI1X** also distributed Special Event Operator Certificates at the meeting. Mailing of QSL Certificate requests have started and will take place in January and February.

**NEW BUSINESS:** A copy of the Amateur Radio Emergency Communication Course books for Level 1, Level 2, and Level 3 were secured by **Bruce NI1X**. This ARRL certification and Continued Education Program will be reviewed with City of Taunton amateur radio volunteers. **Bruce NI1X** is in the process of taking the certification test currently given at the Norwood V-E Session.

**Bill KB1IUB** reported on upcoming USS Salem Activities

**Bruce NI1X, Jim W5IRW** and **Chris N1WWI** reported on upcoming Marconi Special Event activities

**CLUB HOUSE PROJECTS:** **Bruce NI1X** reported four old tower sections were junked at no charge. Repairs to the door will be scheduled when the weather is more suitable. Agreeing to help out with this project are **Bill N1FRE, John WQ1L, George KC1FZ, and Bruce NI1X.**

**NET CONTROLS**

<b>January 5</b>	<b>Bill N1FRE</b>	<b>January 12</b>	<b>Bruce NI1X</b>
<b>January 19</b>	<b>Chris N1WWI</b>	<b>January 26</b>	<b>Charlet N1VQZ</b>

**ADJOURNMENT:**

A motion to adjourn was made by **Ed N1NTZ** seconded by **Chris N1WWI** and the meeting closed at 7:12 PM.

## U.S.S. Salem Radio Club Update – By: Bill KB1IUB

**William H. O'Hara, III KB1IUB** has been an active participant in the U.S.S. Salem Radio Club's efforts to expand our hobby of Amateur Radio. As you might know the U.S.S. Salem features the opportunity for many scouts to overnight within the ships decks and experience the life of a sailor. One of the Girl Scout's mother told KB1IUB, "The Radio Room was the most interesting and interactive activity aboard the ship." As you might be aware, we have a tremendous capability of diverse operations aboard ship. **Don Adams KAOZOU** is impressed with our operation. We talk with **Don KA0ZOU** on a weekly basis. **Don KA0ZOU** currently resides at McMurdo Station in Antarctica.



USS Salem in Quincy

The U.S.S. Salem Radio Club operates for many events including Veteran's Day and Pearl Harbor Day. Many thanks go to club members such as **Bruce N11X**, **Jim N1OIU**, **Paul N1VTI**, **Ed N1NTZ**, **Bruce K1HTN**, **Bob K1RB**, **Bill WA1NYC**, and **Jeff N1ZZN**. The primary focus of the U.S.S. Salem Radio Club remains the Scouting program. The program currently consists of two segments within the main activity period on the first day of the Scout stay over each weekend. Each segment is approximately half an hour long. Good fellows such as **Bert N1MXO** and **J.C. W1AI** provide a half hour introduction to Morse code in the first segment. Many parents and scouts have enjoyed their time and missed other activities in order to spend more time practicing their Morse code on the club oscillators. **Bert N1MXO** has also brought the MFJ Morse Code decoder for the scouts to use. The second activity features an interactive introduction to ham radio. The scouts are brought to radio room five, where we currently operate. This was the former ECM shop aboard the U.S.S. Salem.

Radio Room Five has four radios stations. Two stations are HF stations, which are used all over the spectrum but primarily in some of the more rag chewing bands such as 17 meters. The secondary HF station is often used for 10-meter FM contacts. Our third station consists of a 2-meter transceiver and a packet node. We use this machine to connect the K1EA Dxcluster and other packet BBSes in the area. Our fourth station is a 2 Meter/70 Centimeter radio, which is primarily used for talk-in and the Internet repeater linking systems (IRLP and Echolink). Operation practice relies on Pro Logic 5, which operates on each of the individual computers placed at the radio stations. This software allows the user to easily record the exact time and the individual involved in the QSO. The QRZ database is stored on the hard drive of each machine for call sign lookup.

In order to participate at the U.S.S. Salem you only have to show up. We will put you at one of the HF stations or the IRLP station. We often announce our presence and our station activation on the Dxcluster. The word soon spreads that we are out there and good pile-up can develop. The scouts are just amazed as you make contact after contact. It gives a serious impression. If the opportunity arises and the scout is keen enough, we will let them operate on short wave. We routinely connect to Antarctica through IRLP with the Scituate Repeater (145.390, PL 88.5). We allow the scouts the opportunity to ask questions about the frozen continent and current events. Recently, we enabled the scouts to have a brief conversation with Amy, the resident Girl Scout at the South Pole.



If you wish to participate in the future or listen to our conversations on IRLP, we will be active the following weekends. These are January 11, 2003, February 1, 2003, February 8, 2003, February 15, 2003, February 22, 2003, March 1, 2003, March 15, 2003, March 22, 2003, and March 29, 2003. Please contact our volunteer coordinator, **J.C. Cunningham W1AI**. His email is [W1AI@hamtestonline.com](mailto:W1AI@hamtestonline.com). Our QSL manager is **Pi K1RV**.

Here is a picture of **Don KA0ZOU** and the gang at the cafeteria at McMurdo Station. They are conversing with us by use of their handheld, which reaches their repeater and the IRLP link. The IRLP link operates over the satellite connection. Don't think this is an easy connection to maintain. The satellite passes are frequent and copying can be very difficult at times. **Don KA0ZOU** frequently talks with the scouts and answers questions about the frozen tundra. **Don KA0ZOU** frequently attracts many of the workers eating their breakfast while he chats with our scouts. It turns out that we are quite interesting down there! McMurdo operates on New Zealand time, which is twenty-one hours ahead of our EST time. So while we chat about today's weather, it's tomorrow in Antarctica and **Don KA0ZOU** had just woken up and is enjoying a good breakfast. We truly appreciate his cooperation and help in making our scouting program a success. We would also like to thank the others such as **Chris N3SIG**. **Chris N3SIG** and **Don KA0ZOU** are also responsible for activating the amateur radio station on short wave in Antarctica.



**Crew at McMurdo Station**

Just so you would not miss our own club member, we have included a picture of **William H. O'Hara, III KB1IUB**. **Bill KB1IUB** is shown speaking with Amy, the winner of the Girl Scout nomination to visit the frozen continent this year. She spoke for several minutes with the scouts and **Bill KB1IUB**. **Bill KB1IUB** is also currently attending the VE sessions at St. Claire's on a monthly basis. **Bill KB1IUB** had passed both the General theory examination and the Amateur Extra examination. He is working diligently on passing his Morse code requirement.



**Bill O'Hara KB1IUB**

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### **ANTENNA PARTY - ALWAYS READY TO LEND A HELPING HAND**

**Dave Gurney WA1YZH** reported that he supplied the #10 copper wire and helped his friend **Paul Rando WB1COG** of East Bridgewater put together and install an 80 meter dipole antenna in an inverted Vee configuration, up about 30 feet, using an existing telephone pole in **Paul's WB1COG** yard. **Dave WA1YZH** reports he and **Chris N1WWI** and now **Paul WB1COG** can be heard making early morning 80 meter contacts with **Bruce Beaman K1HTN** at his new QTH in Ossipee, New Hampshire.

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### **MARCONI SPECIAL EVENT – Jan 11<sup>th</sup> - 19<sup>th</sup>, 2003**

See special January 2003 issue of the SPECTRUM that is dedicated to the Marconi Special Event

## TIME TO RENEW AND GET SOMEONE NEW

This form is designed to help the Club update the roster and to collect dues. The Club will start collecting dues for 2003 on December 15<sup>th</sup>, 2002. All dues will be due by February 1<sup>st</sup>, 2003. Your continued financial support is greatly appreciated and enables the Whitman Club to maintain the Whitman Conservation Commission property on Pine Street that serves as our club house, purchase the required liability insurance as part of the lease on the property, operate the Club 2-meter repeater, send out newsletters that keep everyone informed and to make contributions to the community like the Whitman Hanson Scholarship Fund "Dollars for Scholars" and the Area Visiting Nurses Association along with the purchase of amateur related books for the Whitman Library.

Please fill out and mail to the treasurer at his Hanson address. **DO NOT** send dues to the Club P.O. Box, this will delay processing your dues. If you have already paid your dues for 2003, thank you.

### **2003 DUES ARE DUE FEBRUARY 1<sup>st</sup>, 2003**

Please fill out and return the reply stub below, even you have already paid your dues for this year.  
Your comments may include; VE status, confidential requests, suggestions etc.

<<<< Please clip the bottom stub and return with dues or corrections >>>>

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Clip and mail--- 2003 DUES and MEMBERSHIP LIST update – Reply stub

***ALL MEMBERS PLEASE FILL OUT THIS SECTION OUT COMPLETELY AND RETURN TO JEFF NISOM'S HANSON ADDRESS LISTED BELOW.***

Please check here if you have a new CALL, change of address, or your address on the mailing label is incorrect. Use this stub for reporting any changes or corrections for the WARC roster. Include this stub when paying dues and fill out completely for the purpose of programming our autopatch database. Thank you. And of course you can pay your dues at one of the meetings.

NAME: \_\_\_\_\_ CALL: \_\_\_\_\_ DATE: \_\_\_\_\_  
STREET: \_\_\_\_\_ CITY \_\_\_\_\_ ZIP: \_\_\_\_\_  
HOME TEL#(\_\_\_\_) \_\_\_\_\_  
E-MAIL ADDRESS: \_\_\_\_\_ ARRL MEMBER:   yes    no

For 2003 dues make out check or money order for \$20.00 payable to Whitman Amateur Radio Club Inc. And mail direct to the Treasurer—Whitman A.R.C. c/o Jeff Tracy N1SOM; P.O. Box 352; Hanson, MA. 02341.  
Please send other correspondence to: Whitman Amateur Radio Club Inc.

P.O. Box 48  
Whitman, MA. 02382-0048

Your comments are welcome in this space (use separate sheet if necessary):

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For additional information call 781-447-1655 and please leave a message and Bill N1FRE will get back to you as soon as possible



**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 Winter meetings are held at the  
Whitman Public Library which is  
located at 100 Webster Street  
in Whitman, Mass.***

**Next Meeting  
Wednesday, Feb 5<sup>th</sup> at 6:30 PM  
Whitman Public Library**

**CLUB OFFICERS:**

President	Bruce	NI1X
V. President	Bill	N1FRE
Secretary	Roy	KB1CYV
Treasurer	Jeff	N1SOM
Director	Jim	W5IRW
Director	Paul	N1VTI
Director	Steve	W1WSN
Director	Chris	N1WWI

E-mail articles to: NI1X @ arrl.net

Web Site: <http://www.qsl.net/wa1npo>

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Club Repeater Station:                    147.225 MHz (CTSS 67 Hz)                    449.875 MHz (CTSS 88.5 Hz)

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

