



# SPECTRUM



The Voice of the Humble Electron

Founded 1962

## MARSHFIELD FAIR 2004 SPECIAL EVENT

**President's message:** This is **The Bruce N1IX** – during the last week in August - 27 area HAMS helped staff the Special Event Station **NN1MF** and Amateur Radio Exhibit Booth at the Marshfield Fair where over 220 contacts were made with 32 States, 28 Foreign countries, and 6 Canadian Provinces along with sending 25 RADIOGRAM messages.



The participation was fantastic and this was a great way to promote this fascinating hobby of Amateur Radio to the general public by showing both voice and Morse code contacts being made over the Special Event radios and by introducing the kids to "Hands On" Morse code demonstrations. We then had a chance to follow up by explaining the Amateur Radio SKYWARN program and our Amateur Radio Emergency Service (ARES) involvement with the local City and Town Emergency Management Agencies. We finished up by explaining the National Traffic (message handling) System and offering to send RADIOGRAM messages from the Marshfield Fair.

This great effort by all the volunteer HAMS helped make this Amateur Radio Exhibit and Special Event Station an outstanding success. **Bob Burns K1RB** reported that this effort was well appreciated by the Marshfield Agricultural & Horticultural Society – the operators of the Marshfield Fair.

## MARSHFIELD FAIR APPRECIATION RAFFLE



**Bob K1RB & Bill N1FRE**

**Bob Burns K1RB** had announced that there would be an appreciation raffle, open to all HAMS who stood a minimum of a 4 hour watch at the Marshfield Fair Amateur Radio Exhibit Booth. In addition there was a special prize awarded to **Bill Hayden N1FRE** - the HAM with the most number of hours at the booth. In all, **Bob K1RB** provided 6 prizes. The winners of the raffle were:



**Bob K1RB & John WQ1L**

- Bill Hayden N1FRE & John Coombs WQ1L**
- Bill Hayden N1FRE & Dave Ring N1EA**
- Bruce Hayden N1IX & Jeff Lehmann N1ZZN**
- Al Drollett Jr. W1SM**

- 2004 mint coin sets
- Travel-Plus Repeater CD
- 2004-2005 Repeater Directory
- 2004-2005 Repeater Directory

## MARSHFIELD FAIR SPECIAL EVENT AND AMATEUR RADIO EXHIBIT BOOTH

**Bob Burns K1RB**, who is a Director of the Marshfield Fair and a Whitman Club member, has been planning the establishment of a Marshfield Fair Radio Club for several years. **Bob K1RB** had secured the call sign **NN1MF** for the club and this was the first year that **NN1MF** was put "On-The-Air as a Special Event Club Station

**Bob Burns K1RB** brought in a laptop computer and a collection of amateur radio CD's. The voice of Walter Cronkite was recognized by all and heard explaining amateur radio emergency communication over and over again. The crew also played tapes about the Marconi Special Event and the USS Salem Museum Ship in Quincy.



**Bob Burns K1RB**

The Whitman Amateur Radio Club (**WA1NPO**) had operated a club station from the Marshfield Fair on and off in previous years. **Bob K1RB** asked the Whitman Club to be the coordinating club and encouraged all area HAMs to participate. Members of the USS Salem and Marconi clubs responded to his request. **Bob K1RB** had large banners made up that highlighted the primary participants. Tickets and parking passes were provided to the volunteers. Untold hours of planning by **Bob K1RB**, with months of pre-arrangements going on in the background concerning the entire Fair, resulted in moving the Amateur Radio Exhibit Booth to an indoor location.



On a daily basis, **Bob K1RB** found 4-6 HAMs staffing the Exhibit Booth during each shift. **Bob K1RB** had assigned **Bill Hayden N1FRE** as the shift schedule coordinator and **Bill N1FRE** reported that 27 HAMs participated with a total of 440 HAM hours .

Shown standing L. to R. are **John Coombs WQ1L**, **Bruce Hayden N1X** and **Jim Kenworthy KB1KFF**. Seen seated L. to R. are **Frank Hayes N1OGP**, **Ralph Butler W1BT**, **Dave Ring N1EA** and **Al Drollett Jr. W1SM**.

## RADIOGRAM MESSAGES

**Walter Dolson K1BZD** is shown helping a visitor send a RADIOGRAM message to a friend or relative via amateur radio from the Marshfield Fair. In all 25 messages were sent from the Fair.

We were able to explain to the public 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 routine messages could quickly change to emergency or priority messages in times of local or National emergencies.



**Walter Dolson K1BZD**

## MORSE CODE GETS THROUGH WHEN VOICE DOES NOT



Dave Ring N1EA

**David Ring N1EA** of Marshfield brought in a reproduction of a 1914 vertical version of a vibroplex Morse code key for show and tell. **Dave N1EA** was one of the amateur radio volunteers who helped make the amateur radio exhibit booth come alive with the sound of Morse code. The Special Event operators found that they could make CW contacts where the background noise level made voice contacts with all but the strongest stations very difficult.



**NN1MF REMOTE BASE:** **Dave N1EA** reported that from his home QTH, a few miles from the Fair, the HF signal from the Marshfield Fair was getting out OK but the Special Event operators could not hear the amateur radio stations who were trying to answer because of the background noise at the Fair. Someone once said that **necessity is the mother of invention** so **Dave N1EA** set up a cross band connection experiment between his 2 Meter rig and his noise free HF rig that allowed the Special Event operators at the Marshfield Fair, using a 2 meter rig set on a regular simplex frequency, to call CQ over **Dave's N1EA** home QTH HF Base Station and then listen to the output of **Dave's N1EA** noise free home QTH HF Base Station through his 2 meter rig. I can just picture **Dave N1EA** holding the mike of his HF rig in front of the speaker on the 2 meter rig and at the same time holding the mike of his 2 meter rig in front of the speaker of his HF rig. **The Bruce NI1X** carried on a 10 minute conversation with **Phil HP2FP** in Honduras using this cross band (2 meter to 20 meter) technique. This set-up made **Dave N1EA** the control operator.

## THE KIDS WERE ATTRACTED TO THE MORSE CODE DEMONSTRATION

### A GOOD NEWS STORY

The **good news** is that **Mathew Grozier** of Scituate got to go to the Marshfield Fair. The **bad news** is that **Mathew** got separated from his mother and younger brother and baby sister. The **good news** is that he told an adult who brought him to the Amateur Radio Exhibit Booth where many young kids were showing an interest in Morse code demonstrations. More **good news** – **Bill N1FRE** immediately notified Fair Security of Mathew's whereabouts and sent them looking for his mother.

More **good news** – after **Mathew** was assured that his mother would not leave without him and after one quick story for **Mathew** and all the other kids gathered around about the mother deer and the two baby deer that were eating the flowers in

**The Bruce's NI1X** back yard. – **Mathew** was soon learning how to send his name in Morse Code with the other kids. More **good news** – **Mathew's** mother and little brother and baby sister soon arrived to find **Mathew** in the amateur radio exhibit booth, safe and sound, with his new amateur radio buddies. And finally - **Ralph W1BT** was heard thanking Mathew for spending time with the amateur radio operators as he sent them on their way. Don't you just love a story with a happy ending.



Mathew Grozier of Scituate



## HF Base Station



Bill Hayden N1FRE

**Bill Hayden N1FRE** set up his ICOM IC-756 HF transceiver as a Base Station and connected it to his off center fed All Band Windom antenna. **Bob Burns K1RB** brought his Cushcraft 6 band vertical antenna (good for 6 plus 10 thru 20 meters) that was also connected to **Bill's N1FRE HF Base Station**.

## 2-Meter Base Station



Bruce Hayden NI1X

**The Bruce NI1X**, who brought his 2-meter ICOM IC-207 mobile transceiver and a 2 meter four element beam antenna, had no problem reaching Whitman and other area REPEATERS. The Whitman REPEATER was the talk in frequency monitored by the Special Event station all the time.

**Bob Burns K1RB** brought a second 2 meter /440 MHz mobile transceiver and a 2 meter / 440 MHz / 6 meter vertical antenna that was used to monitor other repeaters in the area. **Bill N1FRE** brought a backup 2 meter rig. **Al Drollett W1SM** brought in a backup 2 meter / 440 MHz / 6 meter vertical that was installed and tested and placed on standby along with his Yaesu FT-8900 rig that was good for 2 meter / 440MHz / 6 meters and 10 meters.



Ed Meehan N1NTZ



Jim Kenworthy KB1KFF



Frank Hayes N1OGP  
Talking to Florida

**Ed N1NTZ** and **John WQ1L** and **The Bruce NI1X** reported making contacts with "Lighthouses On The Air" the first weekend. **John WQ1L** also was heard checking in with the ECAR Net on several mornings.

Talk about killing two birds with one stone – **Jim KB1KFF** spent time at the Marshfield Fair at both the bird carving exhibit booth and the amateur radio exhibit booth. **Jim KB1KFF** reported that he has been into bird carving since 1979.

**Frank N1OGP** is shown making a 17 Meter contact with his friend **John K4CDR** in Ft Lauderdale, Florida. **John K4CDR** was originally from the Quincy area.

**CQ CQ CQ - This is - November November One Mike Foxtrot - the Marshfield Fair Radio Club – Special Event Station – located just south of Boston - calling CQ and looking for any contact.**

Morse code to the rescue - the CW operators were in demand



**Pi Pugh K1RV**



**Dick Jolls K1GUG**



**Mike Amaral N1MX**

### **INTERNET RADIO LINKING PROJECT**

Pi Pugh K1RV was introducing Ken Kavaljian KB1KVL, Bill Tracy N1SOM and Jeff Tracy N1SON to the Internet Radio Linking Project (IRLP). Jeff N1SOM reported that he was able to activate the IRLP link through the Situate REPEATER and connect with an Indiana Net and logged in a contact with St. Johns Newfoundland and one from England. An IRLP Australian contact, with the sound of an Australian accent booming through the 2-meter transceiver, was a great attraction to the amateur radio exhibit booth. Pi K1RV also set up his portable computer and demonstrated the convenience of computer logging.



**Ken KB1KVL, Pi K1RV**  
**Bill N1SON & Jeff N1SOM**

### **LOCAL HAM CONTACTS**



**Roy Logan KB1CYV**



**Ron N1PXX, Pete N1POO**  
**and Dave N1EA**



**Ed Denton W1VAK**

The local HAMS were given an opportunity to log in with NN1MF via the local Repeater. Whitman club members who could not make it to the Marshfield Fair but were able to log in to NN1MF were Vic Kairis N1OEH, George Davis KC1FZ, Bob Johnson K1VU, Bob Loring K1REL and Bernie Snow N1OQW.



## THE PARTICIPATION WAS FANTASTIC

All area HAMS were invited to participate but as we know some are less active than others and it looks like this Marshfield Fair HAM valued a good "Power Nap" over active participation. You snooze you lose.



The Whitman Club members who participated by taking at least one 4 hour shift were: **Ken Kavaljian KB1KVL**, **Jeff Tracey N1SOM**, and **Bill Tracy N1SON** of Abington, **Roy Logan KB1CYV** of Bridgewater, **Ed Meehan N1NTZ** of Brockton, **Jeff Lehmann N1ZZN** of Hanson, **John Coombs WQ1L** and **Ron Smith N1PXX** of Marshfield, **Bruce Hayden NI1X** of Raynham, **Al Drollett Jr W1SM** of Weymouth, **Bill Hayden N1FRE**, **Walter Dolson K1BZD** and **Frank Hayes N1OGP** of Whitman.



**Bill James KB1LKM**  
**Al Drollett Jr. W1SM**



**Club Banners**



**Wes Holmes Jr. N1WH**  
**John Laiosa N1BSO**  
**Kevin O'Donnell K1KOD**

The USS Salem and Marconi Radio Club members and other area HAMS who participated by taking at least one 4 hour shift were: **Pi Pugh K1RV** and **Joe O'Rourke, KC1EU** of Abington, **Pete Carlson N1POO** of Bridgewater, **Dick Jolls K1GUG** of Braintree, **Kevin O'Donnell K1KOD** of Duxbury, **Ed Denton W1VAK** of Falmouth **John Laiosa N1BSO** and **Dave Ring N1EA** of Marshfield, **John (J.C.) Cunningham W1AI** of Norwell, **Wesley Holmes Jr. N1WH** of Plymouth, **Ralph Butler Jr. W1BT** of Scituate, **Mike Amaral N1MX** of Walpole and **Bill James KB1LKM** of So. Weymouth,



**Ed Meehan N1NTZ &**  
**John Coombs WQ1L**



**John (J.C.) Cunningham W1AI**



**Ralph Butler W1BT**

The amateur radio exhibit booth was covered with QSL cards and many magazines like QST, WorldRadio and AMSAT along with many ARRL Handouts. One big attraction, as far as the kids were concerned, was the Morse code practice key and Morse code handout from the USS Salem. The adults were interested in learning more about the amateur radio public service that they had heard about from relatives or friends who were into HAM radio or from the news media.

## WELCOME TO THE 137<sup>TH</sup> MARSHFIELD FAIR



Besides the games, rides and shows, the Marshfield Fair has always been a great educational experience thanks to all the demonstrations from 4-H along with the arts and crafts and fascinating exhibits. This is truly a family Fair to be enjoyed by young and old alike.



John Coombs WQ1L & Family



Ed Denton W1VAK & Family

I got to meet **John's WQ1L** family, **Ed's W1VAK** family and **Bill's N1FRE** family on my shift along with **Ron's N1PXX** wife and over a dozen area HAMS who stopped by and made themselves known at the exhibit booth. I am sure that many more HAMS stopped by during the other shifts and I am sure I missed a few other Whitman Club members like **Jay Freeman SWL** and **Dylan Freeman SWL** who were out to enjoy the Fair and **George Davis KC1FZ** who stopped by to offer his help to the take down crew the day after the Fair ended.



Nancy Johnson KB1KDI & Doug Cugini N1KQZ



Paul Burbine N1VTI

Whitman Club members **Nancy Johnson KB1KDI**, **Doug Cugini N1KQZ** and **Paul Burbine N1VTI**, stopped by to visit at the exhibit booth for a short time and to enjoy the Fair. And then the Marshfield Fair was over for another year with the crew saying – **We'll be back.**



# WHITMAN AMATEUR RADIO CLUB, INC.

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



Post Office Box 48  
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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, Oct. 6th 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	Steve	W1WSN
Director	George	KC1FZ
Director	Chris	N1WWI

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Web Master Jeff N1ZZN

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

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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*  
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