



SPECTRUM



The Voice of the Humble Electron

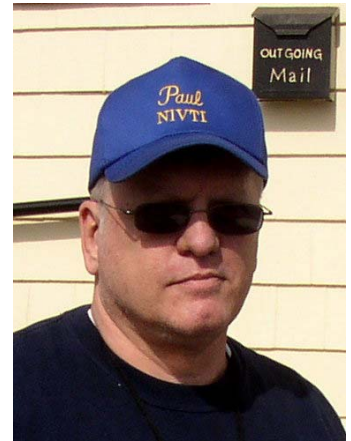
Founded 1962

PRESIDENT'S MESSAGE: This is **Paul N1VTI** – The museum tour was a great success with 30 area HAMS and guests participating and we have two new members, **Dan Chase KB1PFU** of Pembroke and **John Murphy Jr. KB1PHN** of Hanson.

Next we have the Marshfield Fair Amateur Radio Booth and Special Event Station. **Bill Hayden N1FRE** has volunteered to handle the shift scheduling, starting August 17th and lasting thru August 26th. Your participation is always welcome as there is always room for one more.

Plans are being made to hold our annual Labor Day Weekend Flea Market at Sattler's parking lot on September 2nd and 3rd. Start rounding up goodies to be donated and sold at the Club table.

Bring your handheld rig to the next meeting and get some help programming the local REPEATERS.



Paul Burbine N1VTI

NEW MEMBER: **Dan Chase KB1PFU** lives in Pembroke and was licensed in June.

Dan KB1PFU reports that he has an ICOM IC-208H dual band 2-Meter/ 440 MHz mobile rig in his car and can be heard on the local REPEATERS while traveling to his new job with Citadel Broadcasting as one of their assistant engineers and that he works with other HAMS.



Dan Chase KB1PFU

NEW MEMBER: **John Murphy Jr. KB1PHN** lives in Hanson with his wife **Kimberly** and was licensed in July.

John KB1PHN reports that he has a Yaesu FT-2800 2-Meter mobile rig in his truck and has the Whitman and Bridgewater REPEATERS all programmed in thanks to **Mark KC1ML** after the last meeting. **John KB1PHN** also reports that he commutes to Raytheon in Andover where he works as a technician and want to get involved with the Hanson Emergency Management Agency. **John KB1PHN** says he looks forward to bringing his HAM radio equipment along as an emergency backup communication system during his vacation trips to Maine.



John Murphy Jr. KB1PHN

SECRETARY'S NOTES OF THE MEETING OF AUGUST 1, 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: Twenty-five members / guests were present, including the four elected Officers and one Director. A quorum was present.

| | | | | | |
|---------------|--------------------------|---------------|------------------------|---------------|---------------------|
| N1ZZN | Jeff Lehmann | N1PXX | Ron Smith | N1NTZ | Ed Meehan |
| K1WGU | Bob Bass | KB1CYV | Roy Logan | N1WIG | Sam Webber |
| KB1KVL | Ken Kavaljian | SWL | Pat Kavaljian | KB1NAX | Joan Smith |
| KB1MOC | Kevin Dykes | KB1PHN | John Murphy Jr. | K1MRH | Barbara Rice |
| K1REL | Bob Loring | KC1ML | Mark Loring | KB1OEQ | Ron Stundze |
| N1FRE | Bill Hayden | N1VTI | Paul Burbine | KA1PJX | Don Keene |
| KB1ETW | Jim Halpin | KC1FZ | George Davis | WG1L | Jim O'Rourke |
| KB1PFU | Dan Chase | KB1ODS | John Chase | N1SOM | Jeff Tracy |
| KB1OEO | Ross Hochstrasser | | | | |

TREASURER'S REPORT: The treasurer's report for July was read by **Jeff N1SOM**. **Bill N1FRE** made a motion seconded by **Ed N1NTZ** 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 **Ken KB1KVL** that the secretary's report be accepted as published in the July newsletter. The motion was approved.

HEALTH AND WELFARE: **Joan KB1NAX** reported there was no news of anyone being ill.

OLD BUSINESS: The board of directors had a brief meeting before the business meeting, and we agreed with 6 votes that we would recommend the slight change from July to January for the month that dues are discussed. It was reported that **Bruce N1IX** was still gathering information about ARRL membership from club members. Several members that had not been asked informed us of their membership status. **Jeff N1ZZN** volunteered to research what is required for ARRL affiliation and email the board members, and also research books to purchase to donate to the Whitman Library. **Bill N1FRE** is still looking for volunteers to man the amateur radio booth at Marshfield Fair, which will take place from Friday August 17th through Sunday August 26th. Antenna setup will take place on Thursday the 16th at 10:00 AM. **Bill N1FRE** will be getting the fair tickets from Bridget Burns and distribute them to those who plan to volunteer. **Jeff N1SOM** reported the club's results from Field Day. We had a total of 391 phone QSO's and 33 CW QSO's. 217 QSO's on 80 meters; 77 QSO's on 40 meters; 65 QSO's on 20 meters; 25 QSO's on 15 meters; 7 QSO's on 10 meters; and 33 CW QSO's on 40 meters. **Bill N1FRE** and others reported on the by-laws, and it was reported that we may have to send out a ballot to all club members before any change is officially made. **Jeff N1ZZN** reported no new news with the repeater, although he may have easier contact with tower companies now with his new job. **Ron N1PXX** reminded the club that there will be a triathlon at DW Field Park in Brockton on September 23rd. **Ron N1PXX** also reminded us that the club has been invited to Mark Vess' MUSEUM OF ANTIQUATED TECHNOLOGY this Saturday August 4th anytime after 10:00 AM. **Ron N1PXX** and **Ken KB1KVL** will provide talk in and make contacts with anyone who would like to check in on the 147.225 repeater.

NEW MEMBERS: **Ed N1NTZ** made a motion that **Dan Chase KB1PFU** and **John Murphy KB1PHN** be accepted as new members. The motion was seconded by **Bill N1FRE**, and the motion was approved. Welcome to the WARC!

SECRETARY'S NOTES OF THE MEETING OF AUGUST 1, 2007 de N1ZZN Cont:

NEW BUSINESS: **Bill N1FRE** reported that Saftler's has approved us holding our Labor Day weekend flea market in their parking lot at the intersection of Routes 14 and 18 in Whitman. **Jeff N1SOM** reported he will take care of the advertisements in newspapers, soda, water, and insurance needed for the event. **Ken KB1KVL** will work with **Bill N1FRE** to arrange for the drop off of the Handy House port-a-john for the flea market. The flea market will be held Sunday and Monday of Labor Day weekend, September 2-3. **Jeff N1SOM** reported that he has placed 3 signal generators on EBAY for the club. **Jeff N1ZZN** suggested that with many members getting new HTs and other radios that people bring in their radios to the next meeting if they are having trouble programming frequencies into them.

MEMBER'S ACTIVITIES: **Jeff N1ZZN** reported having a new job maintaining paging transmitters for UCOM. Pagers are still widely used by doctors and public safety personnel. The system operates on 152.600 MHz. **Ron N1PXX** reported he is planning on putting up a Windham 80 Meter dipole antenna by using tree climbing boots. **Ed N1NTZ** reported that he will soon be looking for someone to help climb to put up antennas. **Dan KB1PFU** reported that he has been taking measurements with his job to see how a new cell phone tower will interact with the directional pattern of AM broadcast station 1420 WBSM in New Bedford, where he recently got a job at, as an engineer. **Sam N1WIG** reported that **Paul KB1MTW** is helping him plan to hang antennas at his QTH. **Ken KB1KVL** reported that he had problems with the receive audio on his Yaesu FT-857D transceiver, but it was an easy fix for a radio shop in New York, and he will have the radio back soon. **Bob K1REL** reports becoming active in ARES, RACES, and Skywarn, as well as becoming a VE. **Barbara K1MRH** is planning to install her radio in her new car, and that she also has become a VE. New member **John KB1PHN** purchased a Yaesu FT-2800, and is looking for help programming it. **Kevin KB1MOC** recently had a 40 foot telephone pole installed, which he plans to use for mounting antennas on. **Jim WG1L** recently purchased a new straight key from Spain, and brought it in to show.

CLUB ANTENNA ANALYZER LOCATION: Dan KB1PFU

NET CONTROLS: 8/5 Jeff N1SOM 8/12 Bruce N1X 8/19 Ray KB1ODU 8/26 Bill N1FRE

CLOSE: President **Paul N1VTI** closed the business meeting at 7:38 p.m. on a motion by **Ed N1NTZ** seconded by **Ken KB1KVL**.

AUCTION: **Bob K1WGU** donated a homemade antenna tuner from an estate to be auctioned off. The winning bidder was **Paul N1VTI**.

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 July we had 5 sessions with an average of 10 area HAMS checking in each week and 10 messages were sent.



**Sending WA1NPO
an update**

MUSEUM OF ANTIQUATED TECHNOLOGY - TOUR - AUGUST 4th

Mark and Helen Vess of Hanson invited the Whitman Amateur Radio club members and all the area amateur radio operators (HAMs) to visit their Museum of Antiquated Technology located at 303 High Street in Hanson, MA. on Saturday August 4th.

Much of this private museum is housed in an 1840's barn where old radios, phonographs, telephones, TV's, bikes, cameras and radio tubes are on display. Outside are vintage gasoline engines along with old vehicles and tractors in working order.

A Club Special Event Radio Station was set up at the Museum Site by **Ron Smith N1PXX** and **Ken Kavaljian KB1KVL** and used to give directions to the Museum.

Club members who could not make it to the Museum but were able to log in with the Club Station **WA1NPO** were **George Davis KC1FZ**, **Jeff Tracy N1SOM** and **Dave Darois WA1UMT**.

There was a memorial set up with pictures of the late **Glenn Howard K1GVM** of Hanson who shared our interest in amateur radio and was noted for his successful efforts to bounce a signal off the moon. Two of **Glenn's K1GVM** old radios, that were donated to the museum, were fired up and tested.

John KB1PHN reports that he felt like a kid in a candy store and the sight of the model airplanes brought back childhood memories. **John KB1PHN** said he spotted some old test equipment and a Tesla Coil under construction that that should produce some lightning bolt excitement.

18 Whitman Club members participating were:

| | | | |
|---------------|------------------------|---------------|---------------------|
| KB1ODU | Ray Bolduc | WA1YZH | Dave Gurney |
| KB1KVL | Ken Kavaljian | WG1L | Jim O'Rourke |
| SWL | Pat Kavaljian | N1OYH | Carl Davis |
| N1PXX | Ron Smith | KB1NAX | Joan Smith |
| K1REL | Bob Loring | N1OGP | Frank Hayes |
| KB1CYV | Roy Logan | K1MRH | Barbara Rice |
| N1VTI | Paul Burbine | N1FRE | Bill Hayden |
| KB1PHN | John Murphy Jr. | N1ZZN | Jeff Lehmann |
| KB1OEQ | Ron Stundze | N1WIG | Sam Webber |



Ken Kavaljian KB1LVL
Ron Smith N1PXX



Glenn Howard K1GVM (SK)
Memorial



Real radios that glow in the dark

MUSEUM OF ANTIQUATED TECHNOLOGY - TOUR - AUGUST 4th - Cont:

Seven (7) Area HAMS representing the Massasoit, Genesis, Attleboro and K1USN radio clubs along with 5 non-HAM guests included:

| | |
|------------------------------|----------------|
| Harold (Pi) Pugh K1RV | of Abington |
| Paul Foley N1KQR | of Brockton |
| John Mahon N1PYN | of Brockton |
| J. C. Cunningham W1AI | of Revere |
| Allan Cox K1VQ | of Mansfield |
| Steve Snow N1KQV | of Marlboro |
| David Hill N1GXV | of Pembroke |
| George Manoogian | of Brockton |
| Adele Phinney | of Bryantville |
| Dennis Foley | of Brockton |
| Valerie Morrison | of New York |
| Ashley Hayden | of Whitman |



Vintage Gasoline Engines



Mark Vess



Antique tractors and vehicles



Paul Burbine N1VTI
Sam Webber N1WIG



Bob Loring K1REL
Barbara Rice K1MHR

MUSEUM OF ANTIQUATED TECHNOLOGY - TOUR - AUGUST 4th - Cont:



J. C Cunningham W1AI
John Murphy Jr. KB1PHN
Jeff Lehmann N1ZZN



Antique TV's & phonographs



Ray Bolduc KB1ODU



Pi Pugh K1RV
Don Keene KA1PJX



J. C Cunningham W1AI
Jim O'Rourke WG1L



Allan Cox K1VQ
Dave Gurney WA1YZH

CLUB HOUSE PROJECTS:



Paul Moss KB1MTW

Paul Moss KB1MTW has volunteered to cut the grass and clean up the Club House on Pine Street.

Thanks **Paul KB1MTW**.



Mike Supple KB1OEP

Mike Supple KB1OEP donated dozens of boxes of electronic training kits, Crystal radios kits, Heathkits, HF and VHF radio kits and many more from the estate of the late Richard Talber (SK) of Arlington who **Mike KB1OEP** reports was a HAM.

RADIOGRAM TRAINING FIRST MONDAY OF THE MONTH

Seen at the Taunton Emergency Operations Center (EOC) during the call up of stations are L. to R. **Bruce Hayden NI1X**, **Rudy Burer KB1LXI** and **Carlos Wharton WP4US**. **Carlos WP4US** was Net Control for the night.



Taunton RACES volunteers

The next RADIOGRAM Training session will be held on September 16th due to the Labor Day Holiday on the first Monday. All are welcome to participate. Come to the Taunton EOC at 7:30 p.m. or the Whitman EOC at 7:45 p.m. and copy the 3 or 4 messages in a classroom session or listen in on the Norwell REPEATER 145.250 MHz pl 77 and copy along from home. Then you can check in with the ARES Net that is held at about 8:30 p.m. after the RADIOGRAM training Net on the Norwell and other linked REPEATERS.

At the Whitman Emergency operations Center were **Bill Hayden N1FRE** and **Paul Moss KB1MTW** who was Net Control for the night.

BAILEY ISLAND, MAINE - PORTABLE OPERATION – By: The Bruce NI1X:

The Bruce NI1X operated portable from Bailey Island in Maine again this year and I made 14 contacts on 17-Meters with my Outbacker antenna modified for Mag mounted use. Power for 100 watts was from the car battery. The background noise was S-7 when the engine was running. The radio ran fine with the engine off.

Frequency fliers

HAMs control airwaves around the world

By Lauren DeFilippo
LDEFILIP@CNC.COM

The parking lot full of cars, several outfitted with additional antennas, should have been a dead giveaway.

Once a month, on Wednesday evenings, amateur radio enthusiasts from around the area gather at the Whitman Public Library for the regular meeting of the Whitman Amateur Radio Club.

Club President Paul Burbine, of East Bridgewater, has been working with amateur radio for about 12 years.

"I'd heard about it on television, but didn't know who to talk to for years and years," he said.

All that changed when he happened to bump into some members of the Whitman Amateur Radio Club. From there, he embarked on a series of training sessions and tests to attain three different amateur radio licenses, administered by the Federal Communications Commission.

Now, he drives one of those cars with an antenna, and goes by the call sign N1VTL. He also has an antenna in his trunk.

Amateur radio operators, also known as HAMs, must be trained on things like radio theory, safety, electronics, and rules and regulations before they are assigned a call sign and authorized to use the airwaves.

HAM radio frequencies, for example, cannot be used for commercial purposes, and are supervised by the Federal Communications Commission.

In recent years, Morse Code was dropped from the list of requirements, Burbine said. HAM operators also are no longer required to keep written logs of their communications, but Burbine said he and others still do.

For Burbine, the appeal of HAM radio is the ability to talk to people over great distances.

SEE HAMS, PAGE 4

FROM HAMS, PAGE 1

"I talked to this gentleman from Moscow several times," he said. "He seemed to think everyone here played baseball."

He likened HAM radio to the party telephone lines, where multiple users were connected to the same phone line.

"It's a very different," Bill Hayden of Whitman said. "It's a hobby that's diminishing. It's really difficult to find new people who (are willing) to learn something new."

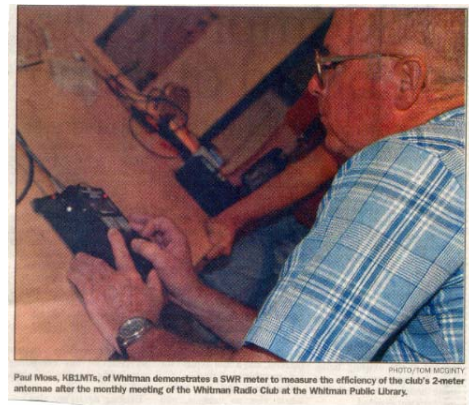
Emergency communicators

In addition to the networking possibilities, HAM radio also has public safety benefits. It can be used in the event of emergency - whether it's a natural or man-made disaster - when traditional power, phone and commercial airwaves may cease to be communication options. In those cases, HAM radio operators can use their frequencies to commu-

The caption under Jeff's N1ZZN picture reads: "Jeff Lehmann of Hanson - who operates N1ZZN - is the youngest single HAM radio operator in the Whitman Amateur Radio Club". We know that is not a true statement but that's OK



Jeff Lehmann of Hanson - who operates N1ZZN - is the youngest single HAM radio operator in the Whitman Amateur Radio Club.



Paul Moss, KB1MTW, of Whitman demonstrates a SWR meter to measure the efficiency of the club's 2-meter antenna after the monthly meeting of the Whitman Radio Club at the Whitman Public Library.

The caption under Paul's KB1MTW picture reads: "Paul Moss, KB1MTW, of Whitman demonstrates a SWR meter to measure the efficiency of the club's 2-meter antenna after the monthly meeting of the Whitman Amateur Radio Club at the Whitman Public Library"

nicate with other HAMs to send and receive message. Gulf Coast area HAMs stepped up to send on-the-scene messages after Hurricane Katrina.

Most of those, Burbine said, are health and welfare messages and travel from radio operator to radio operator until they get local enough to be transmitted by a telephone, without a charge.

Whitman Club members also volunteer with their local Emergency Management agencies. Because of those efforts, Burbine said HAM groups have found it easier to get funding.

The Whitman club, as well as their Bridgewater and Taunton counterparts, also help provide eyewitness reports of weather conditions to the National Weather Service. Burbine said that HAMs' accounts help the service to confirm or deny their satellite readings and make accurate warnings for the area.

The system is known as Skywarn, club secretary Jeff Lehmann said.

The club also participated in drills during which it runs through scenarios where equipment may have to be set up in less-than-ideal conditions to send and transmissions.

Last month, 25 area HAMs participated in an exercise to see how many other amateur radio stations could be contacted in a 24-hour period.

The team was able to set up six independent base stations and make a total of 411 contacts with amateur radio operators in 29 states and three Canadian provinces.

Beyond disaster

The club also provides sideline communications for area events like triathlons and road races, as well as setting up a booth at the Marshfield Fair every summer for the last 12 years.

It even offers training courses for those interested into breaking into amateur radio, and members looking to refresh their skills.

Courses usually are held in the fall.

Those classes also prove that it is possible for a broom handle, outfitted with copper wires and a small outlet, can be transformed into an antenna.

Paul Moss of Whitman said it is

the length of the wires that determines the frequency on which the antenna can operate.

"I liken antennas to stereo speakers," he said. "Speakers are what make everything else work."

"One aspect of amateur radio that a lot of people find interesting is building equipment themselves," Ross Hochstrasser of Whitman said.

A collector of 1950s radios, Hochstrasser said some people like to buy radios that are ready to plug in and go, while others prefer to buy a pile of parts and work on building one from the ground up.

"There's a little something in this for everyone," he said.

Hochstrasser, who also restores clocks, has been a member of the club for approximately three months. He said he got interested with radios when he was 4.

The club, founded in 1962, now boasts approximately 100 members from nearly a dozen communities. New members are welcome. The club meets every first Monday at the Whitman Public Library, 100 Webster St.

For information, visit www.walnpo.org.

Lets have a serious QSO

Although amateur radio operators do speak in fairly plain, straightforward language, there are some conversational abbreviations that HAMs use regularly. Whitman Amateur Radio Club members Paul Moss and Ross Hochstrasser said the abbreviations developed because of Morse Code and are recognized all over the world.

Here are some examples:

73 - Goodbye, thanks, best regards
807 - Beer
Bird: Satellite
Eyeball: Face to face meeting
FM: Frequency modulation
Homebrew: Equipment that is home-built
Machine: Repeater
OM: Old Man (fellow radio operator)
Pink Ticket: FCC rule violation
QSO - Conversation
QTH - Location/home base
Rig: Radio
SWL: Shortwave listener (listens but doesn't transmit)

The attached article appeared in the Whitman Times newspaper on July 25th and in the - The Bridgewater - newspaper on August 1, 2007.

COMING EVENTS: Jimmy Fund Walk - Sept 16 – same course as the Boston Marathon. Sign up with **Steve Schwarm W3EVE** at w3eve@arrl.net

COMING EVENTS: Brockton D. W. Field Park Triathlon – Sept. 23 – Sign up with **Carl Aveni N1FY** at caave@peoplepc.com



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, Sept. 5th 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 |
|------------|------|-------|

Web Site: <http://www.wa1npo.org>

| | | |
|------------------------|--------------------------|----------------------------|
| 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*

