



The Whitman Amateur Radio Club, Inc.

February 2007

SPECTRUM



The Voice of the Humble Electron

Founded 1962

PRESIDENT'S MESSAGE: This is **The Bruce N1X** – The no code license went into effect February 23 and if you have a Technician Class License you should be hitting the books. **Bill Hayden N1FRE** reports that the General Class License study group has 16 students signed up to take the challenge every Tuesday night in the basement class room of the United Methodist Church located on South Ave. at the East end of Whitman. Two others ordered books and will study on their own as Tuesday night presents a conflict. The prospects of at least 16 new up-grades look very promising.

In Feb. **Phil McNamara N1XTB** gave a talk on Winlink at the Attleboro club and took part in an ARES drill along with **Roy KB1CYV** and **Gil W1GMF**. Several club members participated in RADIOGRAM training at the Taunton and Whitman EOC on the first Monday of the month.

I was off the air for a month and now I am trying to make more than my one contact a day to make up for lost time. I believe that if every licensed HAM would just try to make one contact a day the HAM bands would be active and amateur radio would be alive and well. Spread the word.

At the next meeting **Carl Aveni N1FY** will bring a 15 minute DVD showing a SKYWARN documentary of an actual thunderstorm event at National Weather Service Taunton and **Jeff Lehmann N1ZZN** will bring in his HD Radio and Satellite Radio and explain this new technology. Come to the next meeting and share your radioactive adventures with the other members.

GENERAL CLASS LICENSE STUDY GROUP

Bill Hayden N1FRE reports that the following HAMS are enrolled and participating in the current General Class License study group - **Alice Carlson KB1OAU, Bob Barbour K1BAR, Kevin Dykes KB1MOC, Bob Loring K1REL, Ross Hochstrasser KB1OEO, Josh MacNeil KB1ODT, Al Marshall KB1MJL, Paul Moss KB1MTW, Richard Petersen KB1OEU, Joan Smith KB1NAX, Ron Smith N1PXX, Mike Supple KB1OEP, Ronald Stundze KB1OEQ, Sam Webber N1WIG, Jim Wolf N1OIU and Chris Querze N1JKO.**



Although the group meets every Tuesday, the bulk of the required study is performed by each student during the week. The purpose of the class is to provide support of the prescribed study methods, administer a practice 35-question test and follow up with explanation of each correct answer on all of the questions on the tests. During this process each student is encouraged to highlight each correct answer in the book as well as the supporting information in the text of the manual.

SECRETARY'S NOTES OF THE MEETING OF FEBRUARY 7, 2007 de KB1CYV

OPENING: The members started gathering at the Whitman Public Library, Whitman, MA around 6:15 p.m. **Vice President Bill N1FRE** opened the meeting with a roll call at 6:35 p.m.

ATTENDANCE: Twenty-seven members / guests were present, including three elected Officers and two Directors. A quorum was present

KB1CYV	Roy Logan	N1NTZ	Ed Meehan	N1VTI	Paul Burbine
KB1MTW	Paul Moss	N1ZZN	Jeff Lehmann	WA1UMT	Dave Darois
KB1MOC	Kevin Dykes	N1OIU	Jim Wolf	K1WGU	Bob Bass
KB1MJL	Al Marshall	N1WIG	Sam Webber	KB1OEJ	Rick Petersen
W1MMM	Bob Sikes	K1VU	Bob Johnson	WQ1L	John Coombs
KB1ODU	Ray Bolduc	KB1OEP	Mike Supple	KB1BTS	Priscilla Imhoff
KB1OAY	Dan Noyes	KB1NAX	Joan Smith	KB1OAW	Greg Noyes
N1PXX	Ron Smith	N1SOM	Jeff Tracy	KB1ODS	John Chase
K1BAR	Bob Barbour	N1IQI	Loren Pimental	N1FRE	Bill Hayden

TREASURER'S REPORT: The treasurer's report for January was read by **Jeff N1SOM**. **Bill N1FRE** made a motion 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 **Paul N1VTI** that the secretary's report be accepted as published in the January Newsletter. The motion was approved.

HEALTH & WELFARE: **Bruce N1X** is recuperating at New England Sinai Hospital and Rehabilitation Center, 150 York St., Stoughton, MA 02072. Get well quick and hurry back. We miss hearing "this is THE BRUCE" on the air.

OLD BUSINESS: **Bill N1FRE** reported the temporary repeater transmitting antenna arrangement has held up well in all the strong winds we have been experiencing.

NEW BUSINESS: **Bill N1FRE**, with help from **Paul N1VTI** and **Paul KB1MTW**, will be coordinating a study group for those looking to upgrade their license class to General. The group will meet at the Whitman United Methodist Church Tuesday evenings 8:00-9:00 p.m.

CLUB ANTENNA ANALYZER LOCATION: Pine Street Clubhouse

NEW MEMBERS: **ED N1NTZ** made a motion seconded by **Bob K1VU** that **Brian McKeen KB1OEM** and **Deborah Frye-McKeen KB1OEN** be accepted as one-year dues-waived members. The motion was approved. Welcome to the WARC!

TECHNICAL TOPICS: **Dave WA1UMT** made a donation of items for the next auction.

NET CONTROLS: 2/4 **Bill N1FRE** 2/11 **Roy KB1CYV** 2/18 **Jeff N1SOM** 2/25 **Bruce N1X** 3/4 **Ron N1PXX**. Experienced net control operators will gladly assist anyone in running a NET.

CLOSE: **Vice President Bill N1FRE** closed the meeting at 7:45 p.m. following a roundtable discussion of radioactivities on a motion by **Paul N1VTI** seconded by **Jeff N1ZZN**.

BOSTON MARATHON LOOKING FOR AMATEUR RADIO COMMUNICATION VOLUNTEERS

The Boston Marathon is looking for volunteers again this year. Taunton AREA Communication Group (TACGroup) club members **Neal Harrington KB1LXL**, **John Miller N1UMJ**, **Don Burke KB1LXH** and **Greg Glynn W1VFB** report they have already signed up. Three are Whitman club members.

Robert De Mattia K1IW is coordinating volunteers. See <http://marc.amateur-radio.net> to sign up.

	111th BOSTON MARATHON MONDAY, APRIL 16, 2007 HOPKINTON-TO-BOSTON, MASSACHUSETTS
VOLUNTEER INVITATION	
WE INVITE YOU TO PLEASE VISIT WWW.BAA.ORG TO REGISTER OR CALL 617-236-1652, x2630 TO REQUEST A PAPER APPLICATION	
Important: You must have your volunteer ID number ready (printed on the back of this card) and apply by March 1, 2007	Questions: Elisabeth Worthing 617-236-1652, x2630 worthing@baa.org
Boston Athletic Association 40 Trinity Place, 4th floor Boston, MA 02116	

RADIOGRAM TRAINING IN TAUNTON

Seen at the Taunton Emergency Operations Center following the January RADIOGRAM training session and shown standing L. to R. are **Carlos Wharton WP4US**, **Bob Barbour K1BAR** - Control Operator for the night - **Neal Harrington KB1LXL** and **Don Burke KB1LXH**. Shown seated L. to R. are **Greg Glynn KB1NLX**, **Brandon Hoderny SWL** and **Rick Ferreira KB1KWF** - Director of the Taunton Emergency Management Agency. Five are Whitman Club members.



In February **John Miller N1UMJ** sent three RADIOGRAM messages to the local Emergency Management Agency Directors from the MEMA Region II Headquarters located at the Bridgewater State Prison Bunker facilities. The next RADIOGRAM training session will be on Monday March 5th.

TAUNTON RACES VOLUNTEERS

Listen in at 7:30 p.m. on the Taunton REPEATER 147.135 MHz PL 67 or at 8:00 p.m. on the Norwell REPEATER 145.250 MHz PL 77 and copy the messages from home. Even better – come to the Whitman or Taunton Emergency Operations Center (EOC) where all are invited to join in and copy the three or four RADIOGRAM messages in a classroom setting – no pressure.

Participating in the RADIOGRAM training at the Whitman Emergency Operations Center were **Bill Hayden N1FRE**, **Paul Moss KB1MTW** and **Mike Supple KB1OEP** (Net Control for the night). The messages were relayed to **Bob Schmitt KB1MTY** – the Whitman Emergency Management Agency Director.

HOSSTRADERS TAILGATE SWAPFEST -- NO MORE: **Joe K1ROQ**, **Bob W1GWU** and **Norm W1ITT** have made the decision to discontinue hosting the event. They are going into retirement and leaving on a high note knowing that \$1.3 million dollars was donated to the Shriners Hospital from the profits of Hosstraders over the past 25 years - No group has stepped forward to host this event in their place at this time.

SPECIAL EVENT STATION ON PEA ISLAND, NO. CAROLINA By: **Jim Gilbert W5IRW**

Hi! **Jane** and I are still traveling and enjoying the journey. From the campground in Plymouth we left for the Outer Banks of North Carolina where we volunteered for the second time to work at Pea Island National Wildlife Refuge. Most of our efforts were working the visitor center and light maintenance work as well as some photo and writing efforts to prepare orientation manuals for new volunteers and interns.

During National Wildlife Refuge week in October I operated a special event station at Pea Island. All told there were 5 refuges "On the Air" during back-to-back weekends.

We'll be operating a special event station again this year so watch QST for the details. Hopefully there will be more refuges on the air this year. The antenna last time was the old reliable Outbacker. This year I hope to have a couple of Inverted "V" antennas oriented 90 degrees from each other. See you at Field day

73's and greetings to all – From: **Jim W5IRW**



Jim Gilbert W5IRW
The operating position in the RV.

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 January we had four (4) sessions with an average of 11 area HAMS checking in each week and 4 messages were sent.



Checking in
with WA1NPO

PIER 18 COFFEE HOUR **9:00 am Weekdays & Saturdays**

Shown at one of the Pier 18 coffee hours in February are **Ed Meehan N1NTZ** and his brother **John** in the front and in the back L. to R. **Paul Burbine N1VTI**, **Vic Kairis N1OEH**, **John Coombs WQ1L**, **Bruce Hayden N11X** and **Bill Hayden N1FRE**.

John WQ1L puts out a call about 8:30 am to see who is available and to let them know he is headed for Pier 18 for breakfast with **Vic N1OEH**. Come and join them as they design antennas and solve all the world problems.



The Pier 18 breakfast crew

GREETINGS FROM SUNNY FLORIDA - From: Steve Rudin W1WSN

Hi, everyone, and hope you had a Happy Valentine's Day. Down here we had a brief cold snap, but the temperature is back about 80 during the day, with low humidity. In about 6 weeks, the humidity will slowly start to creep back in, but that's the price for being closer to the equator!

Of interest is the FM repeater situation. In the Fort Lauderdale area the population density is sufficiently high that some repeaters are going to 12.5 KHz splits. There is a VERY active Florida coordination committee, which meets regularly and follows up to make sure that applications for channel pairs are processed rapidly. Most all repeaters on 440 are PL (sub audible tone) controlled, and the PL frequency is assigned by region. In our south Florida area, for example, all repeaters on UHF are set to 110.9 Hz for PL, unless a repeater is delegated for a specific purpose.



Steve Rudin W1WSN

This avoids the "late summer blues", during which time ducting allows some west coast (Florida, that is,) repeaters to create an interference situation. Because their repeaters use a different PL tone, interference is eliminated. Because Motorola has a large plant in the vicinity, we also have some super-heavy technical wizards who are now looking at the "future of repeaters" which involves digital/analog repeaters which can switch between modes automatically. The repeaters are about \$3000 wholesale, as are the HTs, so needless to say it's just in the thinking stage.

Echolink is very popular down here. During commuting times there are a number of visitors from all over the globe. The repeater system access in my area is WR4AYC, on 145.11. I monitor the frequency as often as possible, so feel free to drop in and say hello. We have a great bunch of people in the Coral Springs Repeater Group, and we love to have visitors.

Personally, I'm very busy being a professor at a major university down here, and though I miss my patients, I don't miss the hassles of dealing with insurance companies! I also miss my neighbors and some of the kids, but I don't miss the weather, and the kids come down here instead!

Will keep you advised as to events here in South Florida, and strongly suggest you think about spending some time touring our Everglades and other fantastic things to see. My wife and I are just setting out to explore more of the state now that we have completed our first full year of being residents.

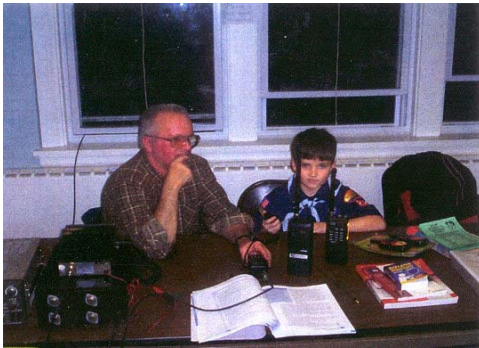
Stay well, and 73! From: **Steve, W1WSN**

HEALTH & WELFARE: Vic N1OEH reports **Bernie Snow N1OQW** is still in the hospital.

HEALTH & WELFARE: Don Benecchi K1DC of the Massasoit club - has suffered a heart attack while visiting in Ft. Lauderdale, Florida. He was recovering and still undergoing tests as of a February 19, 2007 report forwarded by **Whitey K1VV**. Contact **Bob "Whitey" Doherty K1VV** for details.

TECHNICIANS ON THE AIR: All no-code Technicians received full Novice / Technician privileges on Feb. 23rd. This mean they may operate phone voice on 10-Meters between 28.300 and 28.500 MHz. immediately. **Bob Johnson K1RV** reports he is listening on the welcoming frequency of 28.450 MHz and not hearing anyone. **Jim Wolf N1OIU** is installing a 10-Meter dipole and will be on the air soon.

BOY SCOUT PRESENTATION BY: Paul Moss KB1MTW and Bill Hayden N1FRE



Paul Moss KB1MTW



Scouts of Den 12



**Bill Hayden
N1FRE**

On January 25, **Paul KB1MTW** arranged to give a HAM radio presentation to the scouts at the regular den meeting held at the Cardinal Spellman Ctr. in Whitman. **Bill N1FRE** was mobile in another location in Whitman and responded to the call sent out by **Paul KB1MTW**, who had set up a portable base station at the meeting site as part of the demonstration.

The scouts of Den 12, Pack 22 were fascinated and delighted to be able to participate with on the air experience. Some brief HAM radio information was exchanged during the conversations which included the use of the **WA1NPO** 2-Meter repeater and explained what it provided for the HAMS using this system. A surprise message was sent to the group and later interpreted. You see this message that welcomed the group was sent in Morse Code.

The Scouts participating on Thursday were; **Joe McCullen, Ethan Morrill, Jack Molito, Matt Evans, Ryan Amatto, Jason Vittoriso, Jarod Jacobs, Josh Connell, and Mickey Martell.** Special QSL cards were sent to each Scout and given out at their next meeting.

TAUNTON AREA COMMUNICATION GROUP (TACGroup) Update

Carlos Wharton WP4US had six students complete Technician classes held in Taunton as part of the TACGroup recruiting program. Two more students just need a little more practice. **Carlos WP4US** is now helping Technician class HAMS with a General Study group in Taunton.



Greg Glynn W1VBF

Greg Glynn W1VBF has a new call sign that memorializes a respected HAM friend of his father's that became a Silent Key years ago.

As you can see, **Greg W1VBF** has been busy building antenna projects



Greg's W1VBF Slinky Project

Greg W1VBF reports that he has built a dual band open stub J-pole antenna out of aluminum that works pretty well. **Greg W1VBF** says: I have also built the slinky dipole that is ready to be tested and I built a tape measure yagi for fox hunting when we get to that. I also built the tripod antenna stand modeled after the Outbacker commercial stand.

WHAT IS WINLINK ALL ABOUT - A PRESENTATION By: Phil McNamara N1XTB

Phil McNamara N1XTB is a member of both the Massasoit and Whitman Amateur Radio clubs. He is also deeply involved with MARS and is the MARS Liaison Emergency Coordinator for ARES in this area.

Homeland Security has teamed up with MARS volunteers with a recent Memorandum of Understanding. Planning and co-operation is in progress for field Winlink2000 (WL2K) capable stations in selected airports around the country and to staff the stations during storms or national emergencies with teams running 12 hour shifts to support connecting the airports via E-mail using Winlink2000 over assigned MARS / military frequencies instead of the internet. **Phil N1XTB** has given presentations at several amateur radio clubs in the area explaining this Winlink system. I attended one presentation and the following is a summary of **Phil's N1XTB** overview notes on Winlink2000 (WL2K).



Phil McNamara N1XTB

- WHAT IS WINLINK ?? A system to provide E-mail over Radio Frequencies (RF)
- WHAT IT IS NOT: An internet connection
- WHERE CAN IT BE USED ? Globally
- WINLINK 2000 IS A SYSTEM
CONSISTING OF: Software (some or all of Airmail, Telpac, Paclink RMS package)
 (your radio gear) or other RF links
 Internet connections where needed
 Radio Message Servers
 Central Message servers
- FOR THE USER: It's fairly simple and transparent
 Antenna
 Radio (HF/VHF)
 TNC
 Cable (serial or usb with serial adapter/cable)
 Computer (windows)
 Airmail software (free)
- FOR HAMS INVOLVED WITH
SYSTEM INFRASTRUCTURE
OR PROVIDING LARGE SCALE
AGENCY SUPPORT – (THERE ARE MORE PIECES)
- WHY IS IT USEFUL ? Interoperability - can communicate with anyone who has an email
 address. In EMa we can make connections to winlink via 2 meter
 packet to telpac gateways on 145.75, 145.01 and 145.09.
- SEE **GIL FOLLETT'S W1GMF**
PACKET MAP: <http://www.powersrvcs.org/EMaPacket/PAKETMAP.HTM>

From: **Phil N1XTB**

ANTIQUA RADIO RESTORATION PROJECT
THE FUN PART OF AMATEUR RADIO

Jim Wolf N1OIU had picked up a 1955 Hallicrafter HT-32B transmitter and after offering it to **The Bruce N1IX**, who **Jim N1OIU** knows collects real radios that glow in the dark, the decision was made to give it to **Steve Belcher W1TAV** who has been looking for just such a radio to restore and compliment his working collection of vintage AM transmitters and receivers.



Steve Belcher W1TAV

This made **Steve W1TAV** one very happy camper.

FLEA MARKET: April 1, 2007 Framingham, MA \$5.00 at 9 a.m. \$25.00 per table
NOTE: NEW LOCATION - Keefe Technical School – 750 Winter Street - Framingham

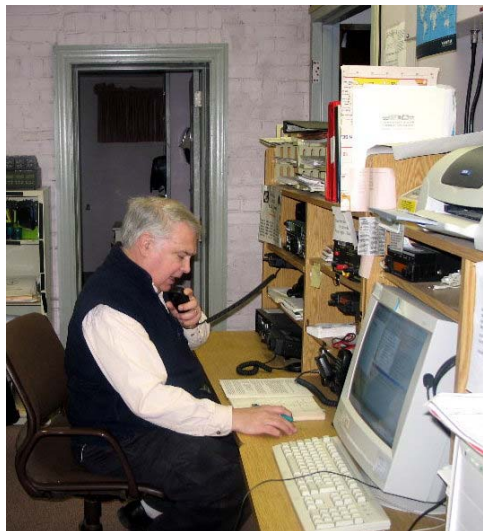
SCUTTLEBUTT - SCUTTLEBUTT - SCUTTLEBUTT

Bill N1FRE reports: **John Chase KB1ODS** has recently passed the element 4, (Extra Class written exam), and element 1, (CW @ 5wpm), for a full fledged Extra Class license !! **John KB1ODS** needs help with equipment choices, set up etc. Some suggestions were given by fellow HAMs at the Feb. meeting. **John KB1ODS** is looking forward to any club event where he can operate and gain experience. **John KB1ODS** is one HAM who passed all of the tests and has never been on the air !!

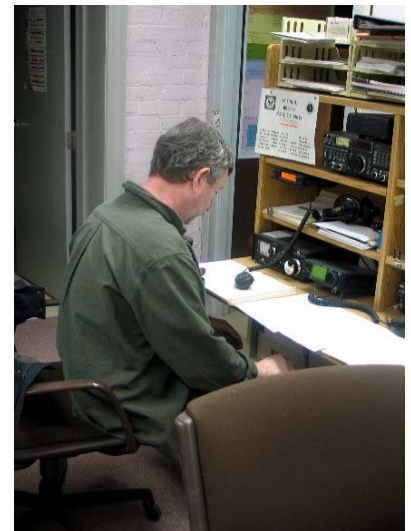
Ken Kavajlian KB1KVL passed his General Class license upgrade.

EASTERN MASS. ARES OPERATION - COMMUNICATIONS PATHWAYS EXERCISE

Carl Aveni N1FY reports that between 75 and 100 HAMs checked in to Net Control through various REPEATERS and then conducted a SIMPLEX callup during Saturday Feb. 24th ARES Communication Pathway Exercise.



Carl Aveni N1FY



Phil McNamara N1XTB

Phil McNamara N1XTB reports that the most fun was the simplex test (no repeaters) where a piece of traffic from the north shore was relayed via **K1MIZ** in Salem to **K1BTH** in Hull to **N1XTB** in Bridgewater to **Rob KD1CY** at **W1AEC** in Dartmouth.

It was reported that **Roy KB1CYV** and **Gil W1GMF** also participated.

at the ARES Command Center for Southeastern Mass
(The Bridgewater Emergency Operations Center)

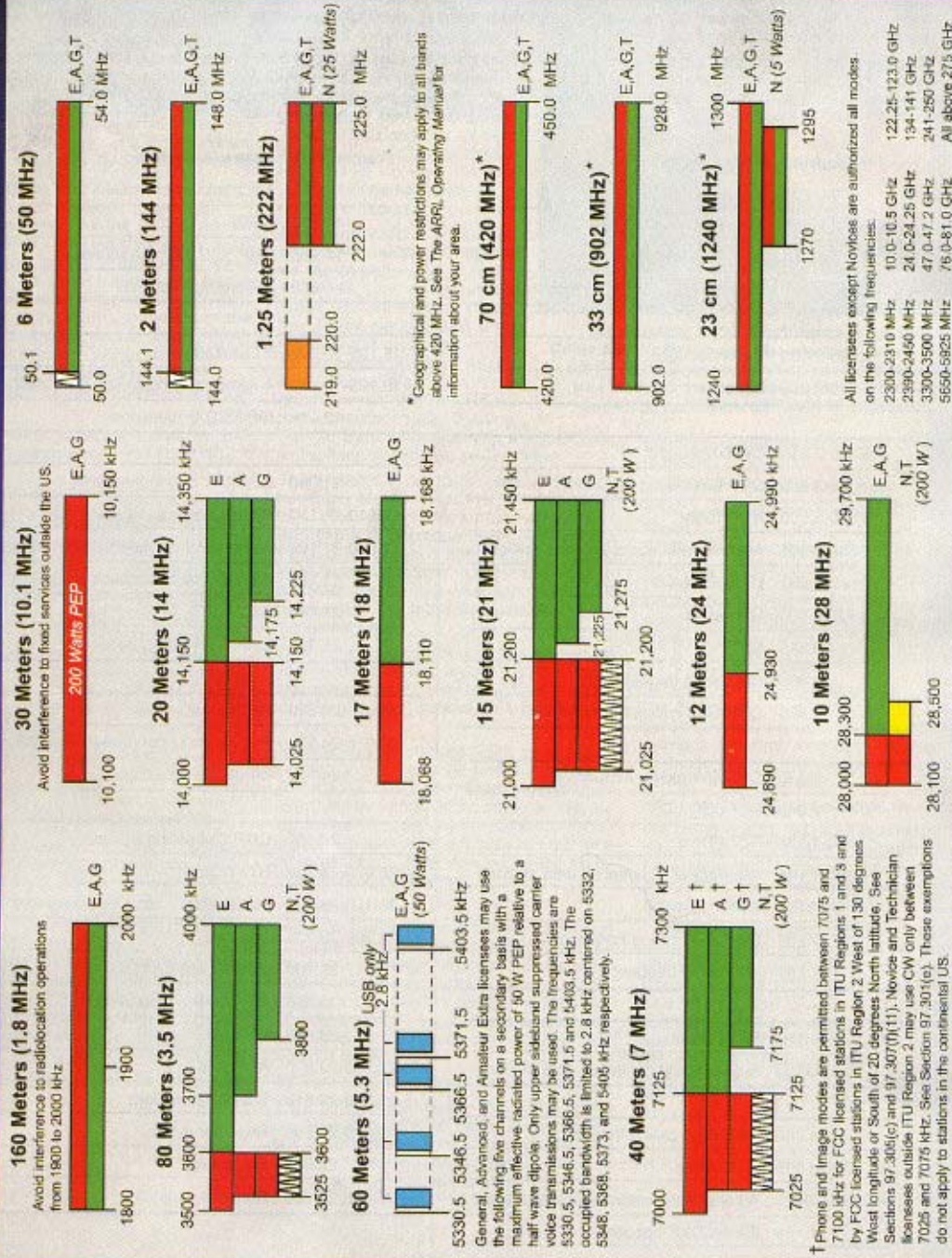
US Amateur Radio Bands

US AMATEUR POWER LIMITS

At all times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Except where noted, the maximum power output is 1500 Watts.

Effective Date
February 23, 2007

The national association for
ARRL
AMATEUR RADIO



KEY

Note: CW operation is permitted throughout all amateur bands except 50 meters. MCW is authorized above 50.1 MHz, except for 219-220 MHz. Test transmissions are authorized above 51 MHz, except for 219-220 MHz.

- █ = RTTY and data
- █ = phone and image
- █ = CW only
- █ = SSB phone
- █ = USB phone only
- █ = Fixed digital message forwarding systems only

E = Amateur Extra
A = Advanced
G = General
T = Technician
N = Novice

See ARRL Web at www.arrl.org for more detailed band plans.
Copyright © 2007 rev. 1/22/2007

ARRL We're At Your Service
ARRL Headquarters
Publication Orders
Membership/Circulation Desk
860-594-0200 (Fax 860-594-0259)
Toll-Free 1-888-277-5269 (860-594-0355)
Toll-Free 1-888-277-5289 (860-594-0338)

Getting Started in Amateur Radio
E exams
ARRL on the World Wide Web
Toll-Free 1-800-328-3942 (860-594-0355)
860-594-0300
www.arrl.org

hjt@arrl.org
orders@arrl.org
membership@arrl.org

newham@arrl.org
veg@arrl.org



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

CLUB OFFICERS

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, Mar. 7th at 6:30 p.m.
Whitman Public Library

President	Bruce	NIIX
V. President	Bill	N1FRE
Secretary	Roy	KB1CYV
Treasurer	Jeff	N1SOM
Director	George	KC1FZ
Director	Paul	N1VTI
Director	Jeff	N1ZZN

Editor	Bruce	NIIX
--------	-------	------

E-mail articles to: niix@arrrl.net

Web Master	Jeff	N1ZZN
------------	------	-------

Web Site: <http://www.wainpo.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*

