

GENESIS



Volume No: 2 Issue No: 4

April 2008

Founded 1992

President

John Williams
KB1EVY

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KB1CGP

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Ken KB1KVL 5/27

Eric N1WCO Alternate
Paul KA1MDQ Alternate

The Genesis Net is every
Tuesday at 8 pm on 146.685
MHz. with a PL of 82.5

The next meeting is May 26
at 7:30 pm at the Plymouth
Airport Community Room.

Web: <http://genesissars.org/>

From The President's Desk

Well gang, it's that time again. O' Boy
another blub from the Prez, Yippee!

I started to think what we all are. I know your
yelling at this letter saying, "We are amateur
radio operators", with written authorization to
operate an amateur station and do neat stuff
with radio communications which includes
radio technique solely with a personal aim and
without pecuniary interest. For Hams from "Rio
Linda" (I stole that from a certain radio
personality) means **NO** payment of any type.

Boy, that was a mouth full. Hey you are saying, I know that! So where am I going
with this? I'll tell you, ever thought what the early Hams thought what the hobby
meant to them?

I have some old ARRL hand books and I came upon a small area in the vastness of
these publications called "The Amateur's Code"

This month I don't have to think up something to write about because I taking it from
the hand book. Written by Paul M. Segal, W9EEA in 1928

THE RADIO AMATEUR IS:

CONSIDERATE: never knowingly operates in such a way as to lessen the pleasure
of others.

LOYAL: offers loyalty, encouragement, and support to other amateur, local clubs,
and the American Radio Relay League, through which Amateur Radio in the United
States is represented nationally and internationally.

PROGRESSIVE: with knowledge abreast of science, a well built and efficient station
and operation above reproach.

FRIENDLY: slow and patient operating when requested; friendly advice and counsel
to the beginner; kindly assistance, cooperation and consideration for the interest of
others.

These are the hallmarks of the amateur spirit.

BALANCED: radio is an avocation, never interfering with duties owed to family, job,
school, or community.

PATRIOTIC: station and skill always ready for service to country and community.

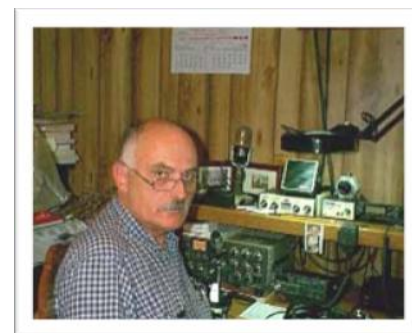
I ask the reader to think about these six simple statements and ask yourself,
"Am I an amateur radio operator?"

Until the next time.

73

John KB1EVY

The Prez.



John Williams KB1EVY

Minutes

Opening: The meeting was opened at 730 PM:

Treasurer's Report: The Treasurer's Report was voted to accept it as read.

Secretary's Report: The Secretary's Report was voted to accept it as read.

Unfinished Business: The 40 meter CW kit. Field Day- We are looking for people to bring things such as potato salad, etc for our Pot Luck Cookout on Field Day. Two members are getting the hot dogs and burgers. Soft drinks can be bought at the Field Day and the **donations** will go to the club.

New Business: Breakfast will be at 9 am at Kevin's Restaurant, So. Meadow Rd., Plymouth, Ma. on May 31. Nomination of officers will be in May. The election is in June. There will be a report on Pave Paws in next month's newsletter. There will be 2 speakers next month to talk about & show tubes. There will be a tube tester, also.

Closing: The meeting was adjourned on a motion at 8:30 p.m.

Health and Welfare: The Genesis Amateur Radio Society wishes a speedy recovery to **Barbara Crooker SWL**.

Barbara is the wife of **David Crooker KB1KSE**, a Genesis member.

Attendance:

19 MEMBERS

Ken Kavaljian KB1KVL	Pat Kavaljian SWL	Eric Pierce N1WCO	Sam Webber N1WIG
Kevin Sullivan KA1UNP	John Williams KB1EVY	Owen Malaguti KB1CGP	Ed Maccaferri KB1ERV
Ron Smith N1PXX	Joan Smith KB1NAX	Brian Geagan KB1FVR	Bob Smith KK3P
Eric Sears KB1HKH	George Manning K1CG	Chris Johnson N1SZF	Mark Tompkins KA1MWT
Gene Harriman N1EH	Bob Johnson KA1NMA	Bob Woodbury N1COP	

Club Donations: Donations may be mailed to the Treasurer's address below or brought to the next meeting. Make check payable to Genesis Amateur Radio Society, Inc.

Ed Maccaferri
25 E. Russell Mills Rd.
Plymouth, Ma. 02360

Contest Calendar

AGCW QRP/QRP Party	1300Z-1900Z, May 1
QRP Minimal Art Session	1900Z-2300Z, May 1
NCCC Sprint Ladder	0230Z-0300Z, May 2
MARAC SSB QSO Party	0000Z, May 3 to 2400Z, May 4
MARAC CW QSO Party	0000Z, May 3 to 2400Z, May 4
10-10 Int. Spring Contest, CW	0001Z, May 3 to 2359Z, May 4
Microwave Spring Sprint	0600-1300 local, May 3
7th Call Area QSO Party	1300Z, May 3 to 0700Z, May 4
Portuguese Navy Day Contest	1500Z, May 3 to 1500Z, May 4
Indiana QSO Party	1600Z, May 3 to 0400Z, May 4
ARI International DX Contest	2000Z, May 3 to 1959Z, May 4
New England QSO Party	2000Z, May 3 to 0500Z, May 4 and 1300Z-2400Z, May 4
RSGB 80m Club Championship, SSB	1900Z-2030Z, May 5
NCCC Sprint Ladder	0230Z-0300Z, May 9
Nevada Mustang Roundup	2300Z, May 9 to 2300Z, May 10
SBMS 2 GHz and Up WW Club Contest	0600 local, May 10 to 2000 local, May

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VK/Trans-Tasman 80m Contest, Phone	0800Z-1400Z, May 10
EUCW Fraternizing CW QSO Party	1000Z-1200Z, May 10 and 1800Z-2000Z, May 11
CQ-M International DX Contest	1200Z, May 10 to 1159Z, May 11
VOLTA WW RTTY Contest	1200Z, May 10 to 1200Z, May 11
FISTS Spring Sprint	1700Z-2100Z, May 10
50 MHz Spring Sprint	2300Z, May 10 to 0300Z, May 11
SKCC Weekend Sprintathon	0000Z-2400Z, May 11
RSGB 80m Club Championship, Data	1900Z-2030Z, May 14
EU PSK DX Contest	1200Z, May 17 to 1200Z, May 18
His Maj. King of Spain Contest, CW	1200Z, May 17 to 1200Z, May 18
Feld Hell Sprint	1500Z-1700Z, May 17
Manchester Mineira All America CW Contest	1500Z, May 17 to 2359Z, May 18
Baltic Contest	2100Z, May 17 to 0200Z, May 18
Run for the Bacon QRP Contest	0100Z-0300Z, May 19
NAOCC Straight Key/Bug Sprint	0030Z-0230Z, May 22
RSGB 80m Club Championship, CW	1900Z-2030Z, May 22
CQ WW WPX Contest, CW	0000Z, May 24 to 2359Z, May 25
VK/Trans-Tasman 80m Contest, CW	0800Z-1300Z, May 24
ARCI Hootowl Sprint	2000 local - 2400 local, May 27
MI QRP Memorial Day CW Sprint	2300Z, May 26 to 0300Z, May 27
SKCC Sprint	0000Z-0200Z, May 28
Kids Roundup	1400Z, May 31 to 2200Z, Jun 1

From The Editor's Desk

I would like to thank **Kevin K1KOD** for posting a notice on the reflector for me in regards to the breakfast at Kevin's Restaurant. It was greatly appreciated.

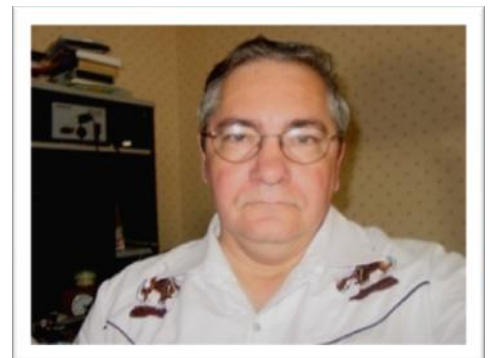
We've added three new members to our club roster this month. They include **Robert Woodbury Jr., N1COP**, **Christopher Johnson N1SZF**, and **David Hood KB1PVD**. Congratulations gentlemen and welcome aboard! Hope to see you at the meetings.

Field Day is coming up the last weekend in June. **Joe Reynolds KA1GDQ** is coordinating the Field Day this year and has delegated committee chairmen so that it will go smooth and we will receive bonus points in the process. **Joe** has put a lot of effort into the preparation of Field Day and deserves recognition for it. Thank-you, **Joe**.

The latest news is that we are going to get some outside participation on Field Day. The participation is coming from Hyannis, MA. I made up some flyers with directions to the Field Day for those people that are going to participate with us. We can use more operators for Field Day. We have some volunteers to operate the radios overnight at the site including one SWL. The more the merrier and we will be doing a cookout. There will be rest room facilities at the site.

Elections are coming up in June. Please let one of the officers know if you want to run for an office.

Due to the efforts of our repeater crew, we no longer have to wait for the tail to drop after each transmission to avoid timing out the repeater. Now all you have to do is wait for the courtesy beep before keying up again, although it is good practice to leave a pause between each transmission to give someone else a chance to use the repeater.



Ken Kavaljian KB1KVL

73
Ken KB1KVL
Editor

UNITED STATES EARLY RADIO HISTORY

THOMAS H. WHITE

RADIO DURING WORLD WAR ONE (1914-1919)

Civilian radio activities were suspended during the war, as the radio industry was taken over by the government. Numerous military applications were developed, including direct communication with airplanes. The war also exposed thousands of service personnel to the on-going advances in radio technology, and even saw a few experiments with broadcasting entertainment to the troops.

GOVERNMENT CONTROL AND PREPARATIONS

The introduction of vacuum-tube equipment promised to revolutionize radio. However, all amateur and commercial use of radio came to an abrupt halt on April 7, 1917 when, with the entrance of the United States into World War One, most private U.S. radio stations were ordered by the President to either shut down or be taken over by the government, and for the duration of the war it became illegal for private U.S. citizens to even possess an operational radio transmitter or receiver. Radio in the U.S. had become a government monopoly, reserved for the war effort. Amateur radio operators were particularly hard hit by the restrictions. Before the ban, amateurs read the monthly issues of *The Electrical Experimenter* in order to find out about the latest improvements in equipment design, but now that magazine was featuring articles like [How the Government Seals Radio Apparatus](#), which appeared in July, 1917. The American Radio Relay League's July, 1917 QST magazine brought Arthur C. Young's report of [What Happened at Buffalo When Closing Orders Were Received](#). QST also began carrying [monthly reports](#) from former amateurs who were now enlisted in the U.S. Navy, and in September, 1917, in its final issue before suspending publication for the duration of the war, mused about the uncertain future of amateur radio in [Another Season Opens, But---](#). The war was an opportunity for some to advance beyond standard peacetime restrictions. In this heavily segregated era there were a limited number of jobs open to African-Americans, however [Negroes for Army Signalmen](#) announced that radio operator training was being established in Richmond, Virginia.

EARLY MILITARY EQUIPMENT

Radio communication played a vital role for all combatants during the war, although, in the era before mechanization, army transportation still largely depended on mules and horses. In the 1906 *Manual of Wireless Telegraphy* by A. Frederick Collins, the [Clark Portable Army Set](#) sections reviewed "apparatus as compact and portable as possible so that it may be transported on the backs of mules", and in the 1911 edition of *Drill Regulations for Field Companies of the Signal Corps (Provisional)*, the two main radio field units were the [Pack Set](#), carried by a "section normally composed of 10 mounted men and 4 pack mules", and the [Wagon Set](#), whose "section is normally composed of 18 mounted men, the wagoner and engineer, who ride on the wagon, and one wagon wireless set, drawn by 4 mules". The October, 1916 edition of the United States Signal Corps' [Radiotelegraphy](#) manual reviewed advances in Pack and Wagon Set designs, including the adoption of quenched spark transmitters, and the reduction, by one, of the number of mules needed to carry a Field Pack set. Also included was a short section on the beginnings of mechanization, with development of transmitters carried by automobiles, plus information on an early form of spread spectrum transmission. After the entrance of the United States into the war, [U.S. Signal Corps Radio Outfit in France](#), from the September, 1918 *Electrical Experimenter*, reported on field units deployed on the battlefield.

U.S. INITIAL NEUTRALITY

With the outbreak of war in Europe in August, 1914, the United States had initially declared its neutrality in the conflict. In order to enforce this neutrality, on August 5, 1914 President Woodrow Wilson issued an Executive Order instructing the Navy Department to censor international telegraph messages sent and received by radio firms, as reported in [Wilson's Proclamation](#), from the September, 1914 *The Wireless Age*. The Marconi Wireless Company of America -- the dominant radio company in the U.S. at this time -- immediately and vigorously challenged the legality of this order, with their

arguments spelled out in [The Censorship of Messages](#), from the September, 1914 issue of *The Wireless Age*. (Although American Marconi was a U.S. corporation, its parent company had very close ties to two of the countries, Great Britain and Italy, allied against Germany). A short time later, the U.S. government complained that the American Marconi station at Siasconsett, Massachusetts had handled an unneutral message from the British cruiser Suffolk, but the Marconi company once again disputed the right of the U.S. Navy to monitor its operations, as detailed in [The Censorship Situation](#), which appeared in the October, 1914 *The Wireless Age*. Dissatisfied by American Marconi's response to the Suffolk incident, the Navy shut down the Siasconsett operations for three and a half months, while the Marconi company unsuccessfully contested the action in the courts. The station reopened in January, 1915, with American Marconi now agreeing to follow the Navy regulations. On January 20, 1916, the U.S. Secretary of State sent a letter to Congress explaining the current censorship policy toward U.S. radio communications, and how it differed from cable restrictions. A *New York Times* article including the text of the letter was reprinted in [Wireless Censorship](#), from the February, 1917 issue of *QST*. The Navy's expanding roles during this period are reviewed in the [Operations and Organization of United States Naval Radio Service During Neutrality Period](#) chapter of Linwood S. Howeth's 1963 *History of Communications-Electronics in the United States Navy*.

WARTIME USAGE

The military importance of radio was immediately apparent. In August, 1914, the Belgians had to completely destroy a major international communications station located near Brussels, in order to keep it from falling into the hands of the advancing German army, as reported in [Destruction of the Brussels Radio Station](#), by Henry M. De Gallaix, from the November, 1919 *Radio Amateur News*. [Directing the War by Wireless](#), written by George F. Worts and appearing in the May, 1915 *Popular Mechanics*, reviewed the multiple applications of radio in both short and long distance wartime communication. A British overview of various uses by Great Britain and its primary foe, Germany, [Wireless Waves in the World's War](#) by H. J. B. Ward, appeared in the 1916 edition of the annual *The Yearbook of Wireless Telegraphy and Telephony*. In the May, 1917 *Popular Science Monthly*, Capt. A. P. Corcoran's [Wireless in the Trenches](#) reviewed radiotelegraph operations at the British front lines, where operators with portable transmitters proved invaluable, for "If a gas attack is coming, it is he who sends the warning to the men behind to put their gas helmets on." During the war, the Germans used radio transmissions to help airships navigate to their bombing run targets, reviewed by [How the Zeppelin Raiders Are Guided by Radio Signals](#), which appeared in the April, 1918 *Popular Science Monthly*. However, the French would employ counter-measures, as an article in the November, 1919 *Electrical Experimenter* reported how a special station had been used to confuse a group of enemy airships by transmitting phony signals, which put "another dent in Fritz's wild war dream" when [Seven Zeppelins Were Lured to Death by Radio](#). In the July 15, 1917 issue of *Journal of Electricity*, [Wireless Telephone Will be Used by The Navy in War](#) outlined research efforts by AT&T, including one key development, two-way voice communication with airplanes, which would be quickly achieved, meaning that "squadron formations of all sorts could be maintained in the air as easily as infantry units on the ground", according to [American-Developed Radio Telephone Success in Airplanes](#), from the November 23, 1918 *Telephony*. Although before the war ocean-going radio had generally been limited to passenger vessels, submarine warfare spurred merchant ships to add radio operators. In 1919, David W. Bone reviewed British World War One maritime activities in his book *Merchantmen-at-Arms*, and noted in the [On Signals and Wireless](#) chapter that "If to one man we seaman owe a debt unpayable, Marconi holds the bond". During the war, radio operator Dale Clemons kept a diary of his harrowing Atlantic run aboard an armed freighter, which his daughter, Bette J. Clemons, drew upon to document his adventures in a 1991 book, [Wake of the Wirelessman \(radio operations extracts\)](#).

CIVILIAN ACTIVITIES

During World War One, a Committee on Public Information ("Compub"), headed by George Creel, was formed to promote the U.S. war effort at home and abroad. In the September, 1922 *Popular Radio*, Creel's [The Battle in the Air Lanes](#) noted that the World War had been the first to include "Public Opinion as a major force" where "moral verdicts took on all the value of military decisions", and the United States, with limited access to the international cables, had turned to radio for "reaching every country on the globe with the American message".

Although much of the fear in the United States about radio being used for spying was baseless hysteria, there were also legitimate concerns, one case reported in [Remarkable Radio Outfit Built By German Spy](#), which appeared in the June, 1917 *Electrical Experimenter*. After the war ended, Pierre H. Boucheron reviewed radio espionage and counter-espionage in [Guarding the Ether During the War](#), from the September, 1919 *Radio Amateur News*, and [A War-Time Radio Detective](#), a four-part series which began in the May, 1920 issue of *Electrical Experimenter*.

BROADCASTING EXPERIMENTATION

While radio remained off-limits for the general public during the war, there were occasional hints of what lay ahead. [Wireless Music for Wounded Soldiers](#) from the April, 1918 *The Wireless Age* reviewed a low-power transmitter that could be used to entertain hospitalized soldiers with music and news. And between the cessation of hostilities in November, 1918, and the end of the civilian radio restrictions in 1919, there were scattered reports of military personnel firing up transmitters in order to broadcast entertainment to the troops -- for example a February 2, 1919 "Moonlight Witches Dance" transmitted from off the coast of San Diego, California by the battleship Marblehead, reported in [Music by Wireless](#), in the March, 1919 issue of *Telephone Engineer*. A few months later, the U.S.S. George Washington was outfitted with a vacuum-tube transmitter for a transatlantic voyage, in order to test long-range radiotelephony, and during these tests the experimenters found time to broadcast occasional concerts. One of the passengers was U.S. President Woodrow Wilson, and it was also announced in [Wilson's Voice Today to Carry 300 Miles](#), from the July 4, 1919 *Los Angeles Times*, that the president's Independence Day speech would be broadcast from aboard ship. However, as noted in [Radiophone Transmitter on the U.S.S. George Washington](#), by John H. Payne, from the October, 1920 issue of *General Electric Review*, the president's speech actually went unheard, because he stood too far from the microphone. The George Washington transmissions were widely heard -- the January, 1920 *QST* carried a report, [This Looks Like Record Reception](#), that James B. Corum had heard the George Washington in Derring, North Dakota. Another Navy effort, a radio concert transmitted from the destroyer Blakely, located at Albany, New York, was reported in [Navy Man Gives Albany Concert By Radiophone](#) from the November, 1919 issue of *Radio Amateur News*.

In 1919, the amateurs began returning to civilian life. And, in contrast to the enthusiastic reports which had appeared in *QST* at the start of the war, Irving Vermilya's review of two years in the Navy, appearing in the December, 1919 issue, summed up his experiences in its title, "[S.O.L.](#)"

Germany, seven hours before the declaration of war at midnight on August 14, 1914, flung round the world on its chain of wireless stations the vital message to its mercantile marine: 'War declared on England, make as quickly as you can for a neutral port.' This terse dispatch unquestionably saved Germany many millions of pounds of property and secured for possible future use a fleet of passenger and cargo boats which might yet play a great part in her recovery from war's ravages."--"Long Distance Services", *The Yearbook of Wireless Telegraphy and Telephony*, 1916.

New England Flea Markets

2-3 May Deerfield NH NearFest @Fair Grounds

Mike K1TWF 978 250 1235

3-4 May Wakefield MA Photographica @AmericalCtr ~photo~

John 781 592 2553

18 May Cambridge MA FLEA at MIT

Nick 617 253 3776



NARLFEST 2008

An ARRL-sanctioned Amateur Radio Celebration
of the Amateur Radio Club of CT's Capital Region

SATURDAY JUNE 21 2008 -- 8 am to 3 pm

Newington High School *

105 Willard Avenue (Rt. 170)

The NARLFEST 2008 features:

- Flea market – electronics, parts, antennas, radios, computers, gadgets
- Vendors - new radios, accessories – great deals for Field Day!
- FCC license exam session at 10 am (all license classes)
- Seminars
- FREE PARKING!
- Displays, books and information on ARRL, NARL and other local ham radio groups
- Raffle prize drawings every half hour; final prizes drawn at 1 pm
- Talk-in: 145.450 PL 127.3

- Vendor setup: Friday, 6 – 8 pm, Sat @ 6am
Food and beverages available

General Admission: \$8 (\$7 for NARL members or with NARLFEST flyer), includes 1 raffle ticket and discounts coupons for Lentini's and Cables & Connectors with paid admission. Free admission to hams licensed less than one year – MUST PRESENT VALID FCC LICENSE. Children under 12 FREE.

Indoor Vendor: \$10 per 4' table

Tailgaters: \$10 per standard space

VENDORS: There is still time! Reserve your indoor space (4' table) now by sending email to: AB1GL@ARRL.NET.

TAILGATERS: Reserve now! Outside spaces \$10. First come, first served. Set up at 6 am. Bring your treasures and find eager buyers! Send your reservation to AB1GL@ARRL.NET.

Special note: Raffle proceeds support an annual scholarship to a Newington High School senior. Raffle tickets are \$1 each. One ticket included with paid admission. Winners must be present to win and must complete legible ticket stub.

For more information on NARLFEST 2008, go to www.narlhamfest.org

*DIRECTIONS: From Newington Town Center (Main and Cedar Streets), go west on Rt. 175 (Cedar Street) to Willard Ave. Turn RIGHT on Willard Ave (Rt. 173) to Newington High School on the left.

The Average Soldier

The average age of the military man is 19 years. He is a short-haired, tight-muscled kid, who, under normal circumstances, is considered by society as half man, half boy. Not yet dry behind the ears, not old enough to buy a beer, but old enough to die for his country. He is a recent high school graduate; he was probably an average student, pursued some sort of sport activities, drives a ten year old jalopy, and has a steady girlfriend that either broke up with him when he left, or swears to be waiting when he returns from half a world away. He listens to rock and roll, hip hop, rap, jazz or swing, and a 155mm Howitzer. He is 10 or 15 pounds lighter now than when he was at home because he is working or fighting from before dawn to well after dusk. He has trouble spelling, thus letter-writing is a pain for him, but he can field strip a rifle in 30 seconds and reassemble it in less time in the dark. He can recite to you the nomenclature of a machine gun or grenade launcher and use either one effectively if he must. He digs foxholes and latrines, and can apply first aid like a professional. He can march until he is told to stop, or stop until he is told to march. He obeys orders instantly and without hesitation, but he is not without spirit or individual dignity. He is self-sufficient. He has two sets of fatigues; he washes one and wears the other. He keeps his canteens full and his feet dry. He sometimes forgets to brush his teeth, but never to clean his rifle. He can cook his own meals, mend his own clothes, and fix his own hurts. If you are thirsty, he will share water with you; if you are hungry, his food. He'll even split his ammunition with you in the midst of a battle when you run low. He has learned to use his hands like weapons, and weapons like they were his hands. He can save your life – or take it because that is his job. He will often do twice the work of a civilian, draw half the pay, and still find ironic humor in it all. He has seen more suffering and death than he should have in his short lifetime. He has wept in public and private for friends who have fallen in combat and is unashamed. He feels every note of the National Anthem vibrate though his body while at rigid attention, while tempering the burning desire to 'square-away' those around him who haven't bothered to stand, remove their hat, or even stop talking. In an odd twist, day in and day out, far from home, he defends their right to be disrespectful. As his father, grandfather, and great grandfather before him, he is paying the price for our freedom. Beardless or not, he is not a boy. He is an American Fighting Man that has kept this country free for over 200 years. He has asked for nothing in return except for our friendship and understanding. Remember him always, for he has earned our respect and admiration with his blood. And now, we even have woman over there in danger, doing their part in this tradition of going to war when our nation calls us to do so.

Ham Shack of the Month



The list of equipment in **Paul Mascott KA1MDQ'S** shack is quite long. It includes a Temp One SSB Transceiver, Hallicrafters TO Keyer, Vibroplex Paddle, On Loan from KB1KVL: Yaesu 857D with Pyramid 52 amp 12V supply, HTX-202 for 2 meters, HTX-404 for 440, Radio Shack Pro-97 for Scanning, Radio Shack CB, Behringer 16 channel Mixer for audio routing and monitors, Various Equalizers (5) as channel inserts for audio processing, Behringer Microphone, home brew AMD based Pro Tools (digi 001) system for recording, monitors and preamping, home brew Pentium II computer for RTTY, PSK, SSTV etc. home brew AMD computer for logging and propagation calculations as well as DX cluster monitor, Old apple laptop for notes and reference,

Pentium M Laptop for spectrum analysis, extended digital monitoring, echolink

Paul Mascott KA1MDQ

etc. Drake Low Pass Filters (2) and coax switch for various antennas.

For antennas, he has AV5 Cushcraft vertical (ground mounted), homebrew 80, 40, and 2 20 meter dipoles (up 30ft), Long wire cut for 80 meters (strung like yarn in trees hi hi), homebrew 2 meter beam (up 15-20 ft), scanner discone (up 25 ft. He also has a MFJ Versa Tuner II, and a MFJ 300 watt dummy load.

Special Events

May 1-May 4, 1500Z-2100Z, Houston, MO. Ozark Mountain Amateur Radio Club, K0E. Emmett Kelly "Weary Willy" Clown Days. 14.270 7.220 146.850. Certificate. Don Shelhammer, 411 Craig Rd, Raymondville, MO 65444.

May 2-May 3, 1000Z-1700Z, Bramshaw, Romsey, England. RSGB, GB2BST. Over 200 years since Admiralty Shutter telegraph was installed. 14.200 7.050. QSL. Via bureau or direct to John Wakefield, M0XIG, Oakhurst, Lower Common Rd, West Wellow, Romsey SO51 6BT, ENGLAND. www.qrz.com/gb2bst

May 2-May 4, 2100Z-2100Z, Paradise, MI. Lake Effect Amateur Radio Club, W8B. Spring Raptor and Waterfowl Migration at the Whitefish Point Bird Observatory. 146.640 14.340 7.180 7.070 7.050. Certificate. Lake Effect ARC-W8B, 36 Southfork St, Marquette, MI 49855. *Certificate and QSL available; \$1 US and SASE.*

www.lakeeffectarc.info/w8b.htm

May 3, 1200Z-2000Z, Wilmington, NC. Azalea Coast Amateur Radio Club, NI4BK. Commissioning of submarine USS *North Carolina*. SSB CW 20 40 m Gen bands EchoLink 353118 KI4RMZ-L IRLP 9210 N4JDW VHF/UHF HF*. QSL. Azalea Coast ARC, PO Box 4044, Wilmington, NC 28406. **HF station will operate May 3 and 4.* www.ac4rc.org

May 3, 1400Z-1800Z, Conway, AR. Faulkner County Amateur Radio Club, W5AUU. Toad Suck Daze Festival Special Event Station. 14.260 7.260. Certificate. Faulkner County Amateur Radio Club, PO Box 324, Conway, AR 72032.

www.w5auu.org

May 3, 1500Z-2000Z, Reno, NV. EMCOMMWEST 2008, N7V. The Biggest Little Ham Convention in the World! 446.050 146.580 14.335 7.295 2m 70cm simplex Reno/Sparks area. QSL. EMCOMMWEST, INC / QSL Request, PO Box 21391, Reno, NV 89515. emcommwest.org

May 3, 1600Z-2200Z, Monticello, IL. Picorams, K9IYP. Boy Scout's Prairie Fire Olympics. 14.240. Certificate. Steve Look, 774 County Farm Rd, Monticello, IL 61856. www.piatthamradio.org

May 3-May 4, 1300Z-0100Z, Independence, MO. Eastern Jackson County Emergency Communications, KOHST. Former President Harry S Truman's Birthday. 28.670 14.267 7.267 3.867. QSL. L. Scott Portz, 950 N Spring St, Independence, MO 64050. www.ejcecc.org

May 3-May 11, 0100Z-2359Z, Hamilton, OH. Southwest Ohio DX Association, W8H. 8ZU/WRK Hamilton OH's First Amateur/Broadcast Station 1915. 14.275 7.275 3.975 1.875. QSL. Dewey K. Jones, W8KJ, 7035 Morris Rd, Hamilton, OH 45011. w8h-wrk.blogspot.com

May 9-May 25, 1500Z-0300Z, Indianapolis, IN. Indianapolis Motor Speedway Amateur Radio Club, W9IMS. 92nd running of the Indianapolis 500. 21.340 14.240 7.240 3.840. QSL. Indianapolis Motor Speedway ARC, PO Box 18495, Indianapolis, IN 46218-0495. *QSL and certificate available.* www.w9ims.com

May 10, 0000Z-2359Z, Grafton, WV. The Mountaineer Amateur Radio Association, W8SP. Commemorating the first official observance of Mother's Day from the International Mother's Day Shrine. Gen portion 80 40 20 15m CW SSB Nov subband 10 m SSB. Certificate. Charles T. McClain, K8UQY, Rt 4 Box 161, Grafton, WV 26354.

May 10, 1400Z-2030Z, Jamestown, VA. Williamsburg Area Amateur Radio Club, K4RC. 401st Anniversary of English Settlement in Virginia. 18.150 14.250 7.261 3.951. QSL. KU4FP, 132 Druid Dr, Williamsburg, VA 23185.

special.event@k4rc.net or www.k4rc.net

May 10, 1415Z-2100Z, Wheaton, IL. Wheaton Community Radio Amateurs, K9BSA. Three Fires Council BSA Scout-O-Rama - A Century of Service. SSB 14.290 7.190 CW 14.060 7.030 Satellite, IRLP node 4119, 2m FM Chicago area 145.39 repeater. QSL. Mark Potter, W9UZ, WCRA - Scout-O-Rama QSL, PO Box QSL, Wheaton, IL 60189. w9ccu.org

May 10, 1600Z-2300Z, San Diego, CA. USS Midway CV-41 Museum Radio Room, NI6IW. Commemorating Armed Forces Amateur/Military Crossband Communications Test. 14.325 7.250 14.060 7.040. QSL. USS Midway CV-41 Museum Radio Room, 910 N Harbor Dr, San Diego, CA 92101. af6ha@yahoo.com.

May 10-May 11, 1600Z-0100Z, Encino, CA. Los Angeles Fire Department, N6ACS. Fire Service Recognition Day. 21.375 14.250. QSL. Mark Willardson, 17439 Burbank Blvd, Encino, CA 91316.

May 14, 1200Z-2300Z, St Augustine, FL. Navy Amateur Radio Club, K4NAR. Annual Club Reunion. 14.275 7.245. QSL. Dave Cutbush, KD1C, 138 Red Oak Rd, Byron, GA 31008. usn_retired@alltel.net

May 17, 0000Z-2359Z, Washington, DC. AFRH-W Amateur Radio Association, AF3RH. Honoring military veterans on Armed Forces Day. 28.480 14.195 7.190 3.810. Certificate. AFRH-W ARA AF3RH, 3700 N Capitol St NW #1319, Washington, DC 20011. *CW frequencies to be announced.* af3rh@yahoo.com or www.af3rh.org

May 17, 1400Z-1800Z, Caldwell, NJ. West Essex Amateur Radio Club, W2EF. Operating from President Grover Cleveland Birthplace. 146.580 21.350 14.250 7.250. Certificate. West Essex ARC, PO Box 54, Essex Fells, NJ 07021-0054. www.wearc.org

May 17, 1400Z-2000Z, Westmont, IL. DuPage Amateur Radio Club, W9DUP. Commemorating Armed Forces Day. 145.430 28.400 14.290 7.250. Certificate. Brian Eder, WB9UGX, PO Box 71, Clarendon Hills, IL 60514. www.w9dup.org

May 17-May 18, 1300Z-2200Z, Tallahassee, FL. Tallahassee Amateur Radio Society, K4TLH. The Fifth Annual Air Fest at Tallahassee Regional Airport. 14.325 14.250 7.250 7.200. QSL. Tallahassee Amateur Radio Society, 911 San Luis Rd, Tallahassee, FL 32304. *Note: airport security may not permit night-time operating. Check URL for updates.* www.k4tlh.net

May 17-May 18, 1500Z-0300Z, St Clair County, AL. St Clair County ARES, K4SCC. Anniversary of longest activation time -- over 72 hours during 1994 Ice Storm. 14.255. QSL. Steve Ayres, KG4VSH, 60 Fritz Dr, Pell City, AL 35128-4107. www.k4scc.net

May 18, 1600Z-2000Z, Sandy Hook, NJ. Roseland Amateur Radio Club, K2A. Coastal Artillery Day. 14.270 7.270. QSL. Roseland Amateur Radio Club, 300 Eagle Rock Ave, Roseland, NJ 07068. www.qsl.net/k2gq

May 24, 1200Z-2100Z, Chestertown, MD. Kent Amateur Radio Society, K3ARS. Reenactment of British tea dumped into the Chester River. 28.340 14.240 7.240 Echolink. QSL. Kent Amateur Radio Society, PO Box 921, Chestertown, MD 21620. www.k3ars.org

May 24, 1300Z-2230Z, Wright-Patterson AFB, OH. Xenia Weather Amateur Radio Net (XWARN), W8XRN. ARMAD from the USAF Museum. 144.550 14.240 7.240. Certificate. XWARN ARMAD Special Event Station, c/o WB8CEH Wes Soper, PO Box 546, Xenia, OH 45385-0546. surfbest.net/~wb8ceh@surfbest.net/w8xrn%20log.htm

May 24, 1600Z-2300Z, San Diego, CA. USS Midway (CV 41), NI6IW. Commemorating Memorial Day. SSB 14.325 7.250 CW 14.060 7.040. QSL. USS Midway (CV 41) Radio Room, 910 N Harbor Dr, San Diego, CA 92101. af6ha@yahoo.com.

May 24-May 26, 1000Z-1700Z, Springfield, MO. Ozark Hillbilly Portable Operations Team, K0S. K0S Strange Antenna Challenge. 20 40 m Gen bands Satellite. QSL. Erik Weaver, N0EW/K0S, 4857 E Farm Rd 136, Springfield, MO 65809. *Certificate and QSL available, see www.eham.net/calendar/details/5101 or www.n0ew.org/k0s*

May 24-May 26, 1200Z-0300Z, Rochester, NY. Rochester DX Association, W2RDX/60. Rochester DX Association's 60th Anniversary. All HF bands SSB CW RTTY. QSL. Via bureau or direct to Irwin J. Goodman, AF2K, 515 Drumm Rd, Webster, NY 14580-1579. www.rdx.com

May 24-Jun 7, 0000Z-2359Z, Paris, France. ARP Radio-Club de Paris, TM7S. 40th anniversary of the "Ville de Paris". 14.275 10.110 7.075 3.775. QSL. Association des Radioamateurs de Paris, ARP Radio-Club de Paris, 66 Avenue de la Republique, Paris 75011, FRANCE. *Award available for contact with all 5 special event stations. See URL for complete details.* arp75.free.fr/PortailARP/img/DVP_regles_rules.jpg

May 26, 1200Z-2000Z, Belleville, MI. Yankee Air Museum, W8YAF. Observing Memorial Day at the Yankee Air Museum Air Park, Willow Run Airport. 7.270. QSL. Frank A. Nagy, N8BIB, 24315 Waltz Rd, New Boston, MI 48164-9167. www.qrz.com/w8yaf

May 26, 1200Z-2359Z, Nutley, NJ. Robert D. Grant United Labor Amateur Radio Assoc, N2UL. Labor remembers those who made the supreme sacrifice for our freedoms. 28.420 21.360 14.260 449.975/ W2LI. Certificate. RDGULARA c/o WA2VJA, 112 Prospect St, Nutley, NJ 07110-0716.

May 26, 1400Z-2145Z, Baton Rouge, LA. Baton Rouge and USS Kidd Amateur Radio Clubs, W5KID. Memorial Day. 15 20 40 m Gen bands. QSL. USS Kidd Special Event, 305 S River Rd, Baton Rouge, LA 70802. www.lsu.edu/brarc/uss_kidd.htm

May 26, 1400Z-2200Z, Fayetteville, AR. Arkan Radio Klub of Northwest Arkansas, W5T. Memorial Day Troop Train, honoring all veterans and military personnel. 146.700 14.240 7.250. QSL. Joe Dunn, 12358 W Ervan Beeks Rd, Farmington, AR 72730. bjoedunn@hotmail.com or www.arkanhams.org

May 31, 1500Z-2300Z, Athens, TN. McMinn County Amateur Radio Club, Inc, N4M. National Moofest. 14.280 7.238. Certificate. McMinn Co Amateur Radio Club, 1402 Crestway Cir, Athens, TN 37303. www.mcminnarc.com/n4m/N4M.html

May 31-Jun 1, 1800Z-0000Z, Medora, ND. Theodore Roosevelt Amateur Radio Club, K0ND. 61st Ann N Unit Theodore Roosevelt National Park. 14.262 14.252. Certificate. Melissa Sheppard, KD0AAK, 112 3rd Ave E, PO Box 1264, Dickinson, ND 58601.

May 31-Jun 2, 2300Z-0100Z, Princeton, IL. Starved Rock Radio Club, W9MKS. 75th anniversary of club founding. 7.240 3.900. Certificate. Starved Rock Radio Club, PO Box 198, Leonore, IL 61332. www.qsl.net/w9mks