



Sinewaves



STONEWALL JACKSON AMATEUR RADIO ASSOCIATION

Meetings: 3rd Thursday of each month, 1930 hrs at Saint Marks Lutheran Church RT19/98 Clarksburg
SJARA Tuesday Night Net

*This net meets each Tuesday evening at 2100 hours utilizing the N8FMD Repeater on
147.210 Mhz with PL Tone of 103.5*

December 12, 2011

<u>Net Control</u>	<u>Date</u>
1. K8WWW.....	November 29, 2011
2. KD8FDD.....	December 6, 2011
3. KD8FOH.....	December 13, 2011
4. WD8NSC.....	December 20, 2011
5. K8TPH.....	December 27, 2011

Meeting and Christmas Dinner @ Raymon's December 15, 2011 7:00 PM

Minutes for Meeting November 17, 2011

The SJARA meeting was called to order at 1930 by the President KD8FDD at the St Marks Lutheran Church. Minutes were accepted as read. The Treasurer's report was read by K8TPH with a balance of \$1227.82

New Business: Nominations for officers were opened and W8LRA was nominated by N8FWD and seconded by N8YPE for Vice President. The ballot for Vice President was favorable for W8LRA over KC8FWS.

The officers for 2012 are, President KD8FDD Jason, Vice President W8LRA, Secretary N8YPE, Treasurer K8TPH, Trustee NW8U John, and KD8ABS were nominated for 2012. N8FXH Hal

Discussion: Recruitment of new members and possible presentation for future meetings.

Net Controls were assigned for next month and the meeting was

adjourned by the President KD8FDD.



Emergency Alert System (E. A. S.)

The EAS is a national public warning system that requires broadcasters, cable television systems, wireless cable systems, satellite digital audio radio service (SDARS) providers, and direct broadcast satellite (DBS) providers to provide the communications capability to the President to address the American public during a national emergency. The system also may be used by state and local authorities to deliver important emergency information, such as AMBER alerts and weather information targeted to specific areas.

The first Nationwide test of the Emergency Alert System was carried out on November 9, 2011

Was it a Success or Failure?

The Federal Emergency Management Agency delivered the audio to more than 60 Primary Entry Point stations that were all on a telephone conference bridge during the event. All the national primary stations were connected during the test. Asked whether a particular station introduced the bad audio, FEMA is looking into how the audio was introduced into the system and is re-creating the anomaly in its lab.

The November 9th test will not be the last. FEMA is looking forward to approaching the community with lessons learned, hearing their observations in an open forum, and continuing to improve the Best Practices Guide as well as the EAS system on a national scale.

The bottom line is that the current E-A-S system may be a bit to complex for its own good. Some of us are old enough to remember the days of the old Conelrad emergency alerting system tests

that began in 1951 and continued until 1963. Those people also recall how well it worked because of its simplicity. It did not rely on computer routing and an immense software controlled hierarchy. Rather it placed its trust in the hands of human beings and only once in its history did that human system ever fail.

My suggestion is, the next time the FCC and FEMA hold an Alert on the EAS, every citizen in the US should pick up the phone, Cell or Landline and call a friend and tell them about the alert. Also go on line and send a friend an email or go to your Facebook page and leave a message. Let's find out if the system really works. It is my opinion that the cell phone system, and Internet will break down and not work, just like it did in NYC on 9/11.

New Year' Resolution 2012

What are you going to do to better yourself in 2012. Make a New Year's Resolution to take some courses and learn a little more about the Nation Incident Management System.

NIMS Training Program

The NIMS Training Program defines the national NIMS training program as it relates to the NIMS components of Preparedness, Communications and Information Management, Resource Management, and Command and Management. It specifies NIC and stakeholder responsibilities and activities for developing, maintaining, and sustaining NIMS training. The NIMS Training Program outlines responsibilities and activities that are consistent with the National Training Program, as mandated by the Post-Katrina Emergency Management

Reform Act of 2006. This program integrates with FEMA training offered through the Emergency Management Institute (EMI) and United States Fire Administration (USFA). Go to:

<http://www.fema.gov/emergency/nims/NIMSTrainingCourses.shtml>



Christmas Dinner and Induction of Club Officers

I want to remind everyone that December 15, 2011 is the Christmas Dinner being held at Raymon's at 7PM. This will replace the December meeting and the new Club Officers and Board of Directors will be announced and inducted to be able to start with the January 19th meeting at St. Marks Lutheran Church. Officers for 2012 and 2013 are:

Pres: KD8FDD
VPres: W8LRA (NEW)
Sec: N8YPE
Treas: K8TPH
Board of Directors:
N8WU
KD8ABS
N8FXH (NEW)



5 MHz in USA

On November 18 the FCC announced changes for Amateur Radio operation at 5 MHz.

The key changes are:

Replace 5368 kHz with a channel 5358.5 kHz Increase the power limit to 100 W PEP. Permit three additional emission designators CW emission 150HA1A, which is Morse telegraphy by means of on-off keying, and data emissions 2K80J2D (PACTOR-III) and 60H0J2B (PSK31).

Read the FCC document at <http://www.fcc.gov/document/amateur-radio-service-5-mhz>



Soviet Woodpecker OHR Antenna

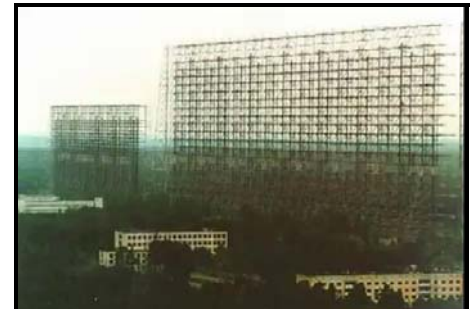
The ABM-2 or DUGA-3 900 metre-long radar system was based just outside Chernobyl and was used during the cold war to detect anti-ballistic missiles from thousands of miles away. The signal it transmitted sounded like a woodpecker, hence the nickname. It was so strong that it resulted in worldwide complaints following massive interference to other shortwave users. The Soviet OHR had the capability to see aircraft at all major airports and military airfields on the east coast of the USA. once they attained an altitude of as little as 60 ft from ground level.

The older system used two stations, one located in the Soviet Union and the other In Communist Cuba.

The system could be used as a single stand alone system but the detection results were of lower reliability.

Some OHR can still be heard normally on 20 mtrs when conditions are good into the central European area but I believe that these are being utilized by some of the independent countries previously in the Soviet Union.

Video can be seen at the following URL: <http://www.youtube.com/watch?v=aOMVdOc9UeE> [OHR](#)



Fox News Ham Radio Licenses All-Time High

Fox News reports on the boom in Amateur Radio licenses in the United States.

They say Ham Radio first took the nation by storm nearly a hundred years ago. Last month the FCC logged 700,314 licenses, with nearly 40,000 new ones in the last five years. Compare that with 2005 when only 662,600 people hammed it up and you'll see why the American Radio Relay League -- the authority on all things ham -- is calling it a "golden age."

Hams in Harrison County

There are several Amateur Radio groups consisting of a few friends that get together for coffee, others that are interested in swapping, others interested in antennas and others of differing interest. The Stonewall Jackson Amateur is an ARRL affiliated, special service club. We are a registered organization with the West Virginia Secretary of State as a non-profit organization and also hold an IRS Tax exempt Special Social Club with interests in all aspects of Amateur Radio.

It seems a shame that we only have a membership of 30+ local hams since there are a total of 240 active or licensed Radio Amateurs in five of the largest zip codes of Harrison County. Please pass the word that everyone is welcome to join us at any time. If you know of anyone interested in being affiliated with the SJARA either as a licensed amateur or just interested in become or learning more about amateur radio and emergency communications. Call (Dick) K8TPH @ 304 629 4302 or drop him an email to k8dfsjara@aol.com and he will be

happy to help you or just add you or any of your friends to the newsletter (Sinewaves) which is published the week of the monthly meetings at St Marks Lutheran Church at the corner of SR 98 and US 19 near the old location of the United Hospital Center. If you want a listing of Amateur Radio Operators in neighborhood just go to <http://www.qrz.com> go to the Site Menu click on Database and enter your zip code and search.

BPL

The FCC's latest order to revise rules for access broadband over power line (BPL) systems is set to become effective Dec. 21. The commission's second BPL Report and Order has been published in the Federal Register. However, Petitions for Reconsideration concerning BPL are also due Dec. 21. The ham radio association ARRL may ask for a reconsideration. In its [newsletter](#), the ARRL indicates that's likely. "While BPL has failed in the marketplace as a medium for delivering broadband connectivity to consumers, the technology is perceived to have some 'smart grid' applications," states ARRL. "Now is the time to fix the rules, principally by mandatory notching, so that any new entrants will be competing on a level playing field with the existing BPL firms that have recognized the need for notching of the amateur bands." As RW has reported, the FCC had proposed a measurement standard modification for determining whether a BPL system is in compliance with the maximum allowable levels of radiated emissions. The ARRL argued there should be mandatory notching of the amateur bands to a level 35 dB below the general

emission limit to reduce the likelihood of harmful interference to amateur stations. In the Second R&O, the commission decided not to adopt mandatory notching. Instead, the agency increased the requirement for BPL systems to be able to notch frequency bands to at least 25 dB, an increase of 5 dB from the prior requirement of 20 dB. The commission also made technical adjustments to its rules for determining the distance between a power line and a measurement antenna and for determining site-specific extrapolation factors. The ARRL called the increase in notch depth a step in the right direction but said that doesn't go far enough to protect ham frequencies from BPL interference.



**Merry Christmas
Happy New Year**



**Get on the air during the Holidays.
Get on the air Bands are
the best in years**