



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

<u>Net Control</u>	<u>Date</u>
1. WV8JON.....	January 19, 2010
2.	January 26, 2010
3.	February 2, 2010
4.	February 9, 2010
5.	February 16, 2010

The 2010 dues should be paid ASAP either at a meeting or you can mail dues directly to K8TPH Treas. 170 Pennsylvania Ave Bridgeport, WV 26330
Dues: \$12.00 individual
\$18.00 family

No Minutes from the December meeting. New Officers were installed. Pictures from Christmas Dinner at Raymon's can be found on the SJARA Web Site <http://www.sjara.org>

Things to think about for the January meeting.

We have new officers, KD8FDD Pres, KC8FWD Vpres, N8YPE Sect, K8TPH Treas.

Do we need to have a class for Technician Class License?

Do we need to have a class for General Class License?

If so, we need to buy instructor kit from ARRL for General

If we have a class when will we have a testing session?

Report from KD8FDD for his Eagle Scout project

How can we help?

How is his repeater work going?

Check with Paul Bump as progress on radio room.

MARS Gets New Name

Military Auxiliary Radio System

MARS



The DoD defines a "military auxiliary" as "an organized body of volunteers prepared to supplement the uniformed services or any designated civilian authorities by provision of specialized autonomous services when called upon or when situations warrant," and gives the Civil Air Patrol and Coast Guard Auxiliary as examples of auxiliaries.

In the past, MARS had focused primarily on emergency communications and health and welfare support. The DoD's *Instruction* now directs the three MARS services to provide "contingency radio communications" to support US government operations, DoD components and "civil authorities

at all levels," providing for national security and emergency preparedness events. MARS units will still continue to provide health and welfare communications support "to military members, civilian employees and contractors of DoD Components, and civil agency employees and contractors, when in remote or isolated areas, in contingencies or whenever appropriate." MARS must also be capable of operation in "radio only" modes -- without landlines or the Internet -- and sustainable on emergency power (when public utility power has failed); some MARS stations must be transportable for timely deployment.

The *Instruction*, however, does not mention which of the three MARS services will take the lead when responding to events. According to sources, this has been seen as a critical issue in conforming to the National Incident Management System (NIMS) that calls for "unity of command." As now constituted, the three separate MARS services are supposed to "interoperate," but command-wise, each operates independently. Some MARS members had urged clarification on this issue to avoid confusion during an emergency, sources said.

White House Names Ham as New Cybersecurity Coordinator

On Tuesday, December 22, President Barack Obama named Howard A. Schmidt, W7HAS, as the new White House Cybersecurity Coordinator. According to the White House,

Schmidt -- an ARRL member -- is one of the world's leading authorities on computer security, with some 40 years of experience in government, business and law enforcement and "will have regular access to the President and serve as a key member of his National Security Staff. He will also work closely with his economic team to ensure that our cybersecurity efforts keep the Nation secure and prosperous."

In a [2003 interview with *The New Atlantis*](#), Schmidt described cybersecurity as "the realization that computer systems affect our basic needs on a daily basis. Electricity, water, telephone -- these things are all run by computers, and my job is to work with owners and operators and government agencies to make sure that they continue to function properly and are not disrupted because of security events that then, in turn, affect our daily lives."

Schmidt has been an Amateur Radio operator for more than 30 years. "I was first licensed in the late 1970s as a Technician class licensee with the call sign WB7NUV," he told the ARRL. "I did a lot on 2 meters, 70 cm and on Packet. The [TAPR](#) group out of Tucson was real inspiration to me as I found the work they were doing absolutely wonderful. I started as a part of the Arizona Repeater Association (ARA) and lived for our annual hamfest at Ft Tuthill in Flagstaff."

Wireless Companies Eye our Frequencies

WASHINGTON (AP) -- Wireless devices such as Apple's iPhone are transforming the way we go online, making it possible to look up driving directions, find the nearest coffee shop and update Facebook on the go. All this has a price -- in airwaves.

Now wireless phone companies fear they're in danger of running out of room, leaving congested networks that frustrate users and slow innovation. So the wireless companies want the government to give them bigger slices of airwaves -- even if other users have to give up rights to theirs.

60 Great Things about Ham Radio

Here is #1, read the other 59 @ <http://www.cq-amateur-radio.com/60Great.html>

Ham radio works when nothing else does -- This is what keeps us "in business," so to speak. The primary reason we still have frequencies and government agencies around the world go to the trouble of testing and licensing us is ham radio's unparalleled ability to get through when nothing else will. When disasters knock out or overload traditional communications systems, ham radio still works, still gets the message out.

BPL

Do you really know what BPL (Broadband over Power Lines) is? When I was stationed in Turkey in 1957/58 we had no local American radio station to furnish us music and programming from home so we decided to put a station on the air using "Carrier Current" the same method being used now for BPL. Carrier Current is just feeding RF into the AC power source. We used a baby monitor as a model to build a 30 watt transmitter and put it on the air but when we put it into service our signal was heard in Istanbul, Turkey approximately 60 miles by air away from our base. We were only allowed to radiate a maximum of 90 feet from any power line. We refitted and placed three 10 watt transmitters and met the requirements of the Turkish government. The frequency was in the middle of the Broadcast Band (1080 KHz). BPL will be higher in the HF portion of the spectrum utilizing much more RF power.

Is the FCC trying to stick it to the Amateur Community with their report on BPL tests?

You can read it and make up your own mind.

<http://www.arrl.org/tis/info/HTML/plc/BPLredactions.pdf>

If you want to contact your Congressman (Senate or the House of Representatives) just go to the following web site:
<http://www.contactingthecongress.org/>

Question Pool

The Question Pool Committee (QPC) of the National Conference of (NCVEC) Volunteer Examiner Coordinators released the new Technician class (Element 2) question pool on Monday, January 4. This new question pool will become effective for all examinations administered on or after July 1, 2010; it will remain valid until June 30, 2014.

The current Technician question pool that became effective July 1, 2006 will expire June 30, 2010.

The new Technician pool contains approximately 400 questions, from which 35 are selected for an Element 2 examination; it will contain graphics and diagrams, something new for this element.

The current General class question pool was effective July 1, 2007 and is valid through June 30, 2011.

The current Amateur Extra class pool was effective July 1, 2008 and is valid until June 30, 2012.

CERT TRAINING

Community Emergency
Response Team

9 AM to 5 PM

Sat Feb 6 & Sat Feb 13, 2010

Harrison Co. Recreation Complex
4H Center

RSVP

TShawAFC@AFlameforChrist.org
(304) 848 0264

by: Mon, Feb 1, 2010

Minuteman Vertical Antenna 20-10 meters



Quicksilver Radio Products has introduced its new MinuteMan 20 portable HF antenna. The antenna covers 20-10 meters with no tuner necessary in most cases. According to company owner John Bee, N1GNV, "On 15, 12, and 10 it's a full quarter-wavelength vertical. On 17 and 20 we use a small amount of high-efficiency coil loading. We designed this antenna to be efficient, lightweight and affordable." While the MinuteMan is primarily intended for portable operation, it's also a solution for hams facing antenna restrictions of any type. The antenna comes preassembled and needs no tools or other supports for setup. With no piece longer than 17 inches, the MinuteMan fits easily into a briefcase, backpack, airplane carry-on, etc. It weighs just 5 pounds and will handle 100 W of power (although the photo shows N1GNV operating QRP). Contact Quicksilver Radio Products, PO Box 146, Williston Park, NY 11596; johnbee@qsradio.com; www.qsradio.com. List price is \$130 plus \$10 shipping. Next New Products

SUBJECT: PARK IT ON COMPRESSION

After you use a gasoline powered motor device, how do you get it ready for the next time you need to use it? If you use a gasoline powered tool such as a lawnmower, riding tractor, generator, or other device, how do you shut it down when you're finished? What else should you do?

There's a few things that you can do that may help keep your gasoline driven device ready for the next time you need it.

When shutting down the device, it would help to turn off the fuel going to the carburetor. By turning off the fuel, it lets the engine pull all of the fuel out of the carburetor, leaving it dry, and helps prevent the gasoline from turning into varnish. Varnish can get on the needle valves, and it plugs up the very small holes in the carburetor. The next time you get ready to start the device, it may not want to start, and you'll have to clean up the carburetor.

Here's another thing that you can do on a single cylinder engine to help protect it from damage and causing it to wear out sooner. Keep the cylinder walls dry from moisture while it is waiting to be used again. If you can turn the motor by hand, rotate the shaft until you feel the piston reach the compression stroke. When the engine is on the compression stroke, the input and output valves are closed, and no moisture can get into the cylinder.

This will keep the cylinder walls from rusting and wearing out the engine. This may also keep rust from building up on the spark plug,

causing it to short out, and not be able to spark.

Mixing a stabilizer such as Sta-Bil with the gasoline will keep the gasoline fresh a lot longer and may also make the engine start and run a lot better.

These things may not make your gasoline engine last for ever, but they may help the engine start easier when you need it, especially your generator, and your commercial electric power is off.

**Ken Harris, WA8LLM
WV ARES Section Emergency
Coordinator WV ARES District
3 Emergency Coordinator**

Equipment or Parts

There will be an addition to the Sinewaves and the SJARA Web Site. I will be listing any Parts/Equipment that you may want to Give Away or Sale to your fellow "Hams". If there is anything you are looking for or need will also be listed in the Sinewaves and on the SJARA Web Site under "Equipment" on the Main Page under "Links" Listing on the SJARA Web Site will be for "1" month or until the parts or equipment is Found or Sold. Contact Web Master at:

k8dfsjara@aol.com

Will also consider "Commercial" adds for a appropriate fee. Contact Web Master at:

k8dfsjara@alo.com

ARES ARE YOU READY?

When I tried to serve as the NCS (net control station) Tuesday, I found that I could not access the repeater reliably from in my house or front porch. After turning it over to another amateur I found that the HT worked better from the middle of the road. I have been aware of this problem but have put off installing one of the three 2 meter antennas which are collecting dust in the basement.

The next day I learned of the earthquake in Haiti. The Eastern United States is considered subject to quake damage. If a defective relay or a tree branch can black out several states for hours. What could a 7 quake do to the power grid, communications, and energy supplies? This is only one possible disaster which could strike us, at our home, in West Virginia.

If you look at the news reports you should learn the following. In a disaster do not even hope for government help for three days. So now is the time to prepare yourself to help yourself, your family, and your community.

There will be a CERT (Community Emergency Response Team) class on Feb 6. If you have not had this training, sign up for it. Then get into a Red Cross first aid class. Then prepare an emergency kit of food, water, first aid supplies, drugs, and clothing that will last for 3days. I will have additional survival information at the next meeting.

**START ON THIS TODAY
OR YOU WON'T HAVE IT
WHEN YOU NEED IT!**

KLONDIKE CAMPOUT

January 22/23, 2010

Jason, KD8FDD will be operating a Special Event Station during the Klondike Campout located at Camp Mahonegon near Belington, WV on January, Friday 22 through Saturday 23. He is in need of the help of at least 2 or 3 volunteers. You will be needed for a period of approximately 6-8 hours. Jason is supplying the equipment and antennas. All he needs is your assistance for this time. Please contact Jason at:

kd8fdd@juno.com or you can contact the web master at

k8dfsjara@aol.com and I will pass the information on to Jason.
