



# Sinewaves



## STONEWALL JACKSON AMATEUR RADIO ASSOCIATION

Meetings: 3<sup>rd</sup> 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

August 13, 2012

### Net Control

### Date

- |    |             |                 |
|----|-------------|-----------------|
| 1. | K8TPH.....  | July 24, 2012   |
| 2. | WD8NSC..... | July 31, 2012   |
| 3. | K8WWW.....  | August 7, 2012  |
| 4. | K8TPH.....  | August 14, 2012 |
| 5. |             |                 |

## Minutes SJARA Meeting July 19, 2012

The SJARA meeting was called to order at 1930 by Vice President W8LRA at the St Marks Lutheran Church.

Minutes were accepted as read.

The Treasurer, K8TPH, reported a balance of \$1346.55

The Field Day committee reported that field day was a success with a pig and chicken roast furnished by the Hatfield's. The Cap members worked the GOTO stations with two adult CAP members, who are licensed amateurs, serving as control operators. The boys had a good time and plan to take a license class August 7th. It was noted that we need a lighting arrangement prepackaged for future events.

Under new business: The recent power outage was discussed. N8YPE, KA5NYN, and K8TPH were appointed to a committee to

investigate how we could be better prepared and insure that at least one local repeater has backup power.

Net Controls were assigned for next month and the meeting was adjourned by the Vice President W8LRA.

## Radio Act of 1912

August 17, 2012 marks the 100th anniversary of the signing of the Radio Act of 1912. It was this piece of legislation that introduced the first rules for Amateur Radio and changed the way we, as radio amateurs, operate. Join ARRL News Editor S. Khrystyne Keane, K1SFA, as she looks at how Congress, in the wake of the RMS Titanic disaster, took swift action to try and tame the chaos of the airwaves.

In 1910 the government required all ships to have a wireless telegraph. In 1912 the Titanic hit an iceberg and sent the first SOS signal which was heard by a nearby ship that came to the

rescue of many survivors. It was later learned that another ship was closer, which would have resulted in more lives being saved, but that



ship only had one wireless operator on board who happened to be "off-watch" at the time the Titanic went down. That resulted in the Radio Act of 1912, requiring that two operators be employed on all ships with constant watch. When the Titanic sunk, a young wireless operator was stationed at the Wanamaker Radio station in New York City to receive signals between the distressed ship and its rescuers, reports about the rescue work, and a list of the survivors so that the anxious world could be advised. This kid stayed at the telegraph for 72 hours. His name... David Sarnoff. It was this event that

made the public aware of the importance of the wireless.

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## Radio Ham Predicts Earthquakes

The Deccan Chronicle reports on a radio amateur Sreemurukan VU3KBN (India) who says he can predict earthquakes.

The newspaper reports CESS scientist Dr John Mathai as saying "Sreemurukan alerts us when he identifies unusual changes in radio waves while talking without the support of boosters (repeaters). This, he feels, is indicative of quakes. This he did a day before several quakes in the last few months,"

Now, if you believe this I have a few bottles of snake oil and a bridge I want to sell you.

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## Joke

Shakey went to a psychiatrist. "Doc," he said, "I've got trouble. Every time I get into bed, I think there's somebody under it. I get under the bed, I think there's somebody on top of it. Top, under, top, under. You gotta help me, I'm going crazy!" "Let me take care of it," said the shrink. "Come to me three times a week, and I'll cure your fears." "How much do you charge?" "A hundred dollars per visit." "I'll sleep on it," said Shakey. Six months later the doctor met Shakey on the street. "Why didn't you ever come to see me again?" asked the psychiatrist. "For a hundred bucks a visit? A bartender cured me for ten dollars." "Is that so! How?" "He told me to cut the legs off the bed!"

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## EMCOMM

Other states and areas within a state hold and participate in Emergency Exercises and conferences. This seems to be something that is lacking in this area of West Virginia. An Emergency Conference could be held by Emergency Services in conjunction with Amateur Radio and other communication entities in the county, area, and state. Is there anyone in the area interested in an ECOMM Conference?

If you are interested or know of a County or State organization that would be interesting in having an ECOMM Conference feel free to contact anyone in the Stonewall Jackson Amateur Radio Association and I will pass any of your recommendations or suggestions on to the appropriate local Emergency Services departments of the city, county, or state. I have submitted possible changes to Harrison County EOP to include Amateur Radio Operators or organizations within the county. SJARA has signed and submitted a MOU with Harrison County Emergency Services but have not received any response from the County Commission or EMS of Harrison County.

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## Wind Farms

Nature's Climate Change, showed a warming trend of up to 0.72 degrees Celsius per decade in areas over wind farms. This as compared with nearby regions without the farms.

The study attributed this warming primarily to wind farms. It says that the temperature change could be due to the effects of the energy expelled by farms and the

movement and turbulence generated by turbine rotors. It concluded that these changes, if spatially large enough, may have noticeable impacts on local to regional weather and climate. That said, the researchers say that more studies are needed at different locations and for longer periods, before any firm conclusions could be drawn.



Previous research in 2010 by other U.S. scientists found wind farms could make the nights warmer and days cooler in their immediate vicinity, but those effects could be minimized by changing turbine rotor design or by building the farms in areas with high natural climatic turbulence.

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## Heathkit is Dead



The St. Joseph Township company that delighted hobbyists for decades and at one time employed up to 1,800 people locally is selling off what's left, the Herald Palladium reports.

The remnants of a once-proud company with a long history in the Twin Cities are now on the auction block. Owner Don Desrochers confirmed this week that Heathkit is dead.

Last known as Heathkit Educational Systems, the company that once employed hundreds of people has closed after defaulting on a lease at 2024 Hawthorne Ave.

in St. Joseph Township. The work force at the end was a half-dozen. In a phone interview from his home in Dallas, Desrochers said he has filed for bankruptcy and a bank now owns what's left of Heathkit. Several bank-seized items are being sold in online auctions.

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## Curiosity Mars Rover

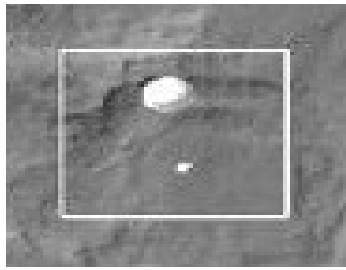
The Mar Rover Curiosity transmits around 401 MHz but the transponder on the Mars Reconnaissance Orbiter (MRO) has a CCSDS Forward Frequency in the 437 MHz Amateur-Satellite Service band.

435-438 MHz is shared with the Military and 432-438 MHz is also a Space SAR Band. General Space usage extends beyond that. As most Hams know we must share the 70cm band with other services such as NASA and the military.

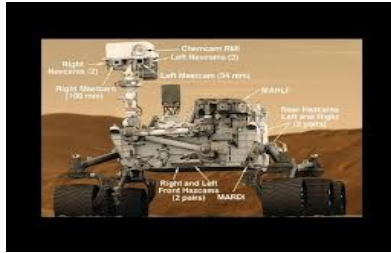
If you would like to know more about the frequencies that the new Mars Rover will be using just down load the following:

[http://descanso.jpl.nasa.gov/DPSu/mmary/MRO\\_092106.pdf](http://descanso.jpl.nasa.gov/DPSu/mmary/MRO_092106.pdf)

You should be able with a small 3 or 4 homebrew beam to pick up signals when Mars is above the horizon. Of course the signals will be digital and I do not know if at this time if there is any computer software to decode the signal. If I find any decoding software on the Internet I will let you know in future Sinewaves. It will be running for years so there is lots of time to see if you can hear Curiosity.



Landing



Positions of all the cameras on the Mars Rover

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## Technician Amateur Radio License

The first session of the class for Technician Class License from 12 noon until 1700 on August 7, 2012 at the Civil Patrol in Bridgeport. The first class was Orientation and Introduction to Radio theory, Operating rules, basic electronics and the use of Ohm's Law and how to convert and Determine frequency in relation to Amateur Meter bands used for Technician Class. There were six cadets in attendance:

Jonah E. Lopez, CCmsgt  
 Brian Wireback, CSmsgt  
 Jonathan Curry, CSsgt  
 Drew Burget, CA1C  
 Arryn M. Tennant, CAB  
 Tim Burget, CAB

The second session was held on August 9<sup>th</sup> with the same six cadets attending. The second session ran a little long taking an

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extra hour to complete. Information was given to the cadets giving instructions where and when the next VE testing session will occur which will be in the West Virginia Room of the Jackson Lodge in Jackson Mill compound at 10AM on Saturday, July 18<sup>th</sup> at the West Virginia State Convention.

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## SJARA Tuesday Night Net Repeater 147.210 Mhz

Sessions.....	4
Checkins.....	27
Total Time.....	1 hr
Traffic Passed.....	0

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## Cert

The storm of June 29<sup>th</sup> 2012 was a wakeup call for many of us. "WERE WE REALLY READY?"

One of the things that I was already working on with the Red Cross and the City of Bridgeport, is to have more trained volunteers to man the shelters in our area. The Red Cross was drastically short of trained shelter volunteers -- having only 9 trained volunteers for seven counties for this storm event. We need to fix this issue right away. Our Project GRACE Churches are depending on the Red Cross to set up and take liability for these shelters. So how do we fix this trained volunteer shortage? The answer is to train CERT, MRC, VIPS and VOLUNTEERS in Red Cross Sheltering. The Red Cross will provide the training; they will provide the liability insurance; and they will provide a shelter manager and supplies. We in

Project GRACE and in the community will supply the volunteers, plus a MRC (Medical Reserve Corps) nurse and security (VIPS -- Volunteers in Police Service) at each shelter that is opened.

The Red Cross Training for Shelters is a one-day course plus an easy on-line course on food preparation. We would like to see all CERT, MRC and VIPS volunteers trained plus members of local Project GRACE Churches. Our goal is to have 200 trained shelter volunteers for our area. For more information please contact:

**Project GRACE Founder  
Ray Shaw W9AFC**

**115 Ventura Drive**

**Bridgeport, WV 26330**

**Tel 304-848-0264**

**Cell 304-629-9876**

[rshawafc@ma.rr.com](mailto:rshawafc@ma.rr.com)

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### **Support Your Local Nets**

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**SJARA**

**Tuesday Night Net**

**2100 Local**

**147.210 Mhz Repeater**

**PL Tone 103.5**

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**CWVWA**

**Thursday Night Net**

**2100 Local**

**147.165 Mhz Repeater**

**PL Tone 91.5**

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