



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*

July 12, 2010

Net Control

Date

- | | | |
|----|--------------|---------------|
| 1. | K8TPH | June 3, 2010 |
| 2. | WV8JON | July 6, 2010 |
| 3. | WD8NSC | July 13, 2010 |
| 4. | | |
| 5. | | |

Minutes SJARA

Meeting June 17, 2010

The SJARA meeting was called to order at 19:30 by Vice President Mike N8FWD. Minutes were read by Dave N8YPE, and accepted as read. The Treasurer reported a balance of \$1688.60.

Under old business planning for Field on June 26-27 continued. It was verified that all the equipment will be there. John would like help with the tower at about 15:00. Anyone who can't get there till later should try to be there as soon after 17:00 as possible.

The club will provide hot dogs and hamburgers for the Saturday evening meal. Members are to bring a covered dish or drinks if possible.

Under new business possible ways to recruit new members were discussed. Some ideas were public relations, and setting up information tables. Dick K8TPH has prepared a field day release which will be sent to TV and print media.

Dave N8YPE made motion to pay bills, seconded by Bill KA5NYN. Motion passed.

Dick K8TPH made motion to adjourn seconded by Bill KA5NYN. Motion passed.

K8DF

Field Day

Early in the week running up to Field Day (June 26/27) the biggest worry we had was the possibility of rain. In previous years we had withstood nearly hurricane force winds and heavy rain so storms are always on your mind. We did have a very heavy rain and a thunder storm on Thursday night but by mid day on Friday the sun returned and it was beautiful. We all met Friday evening at our chosen Field Day site, location in a Civil War battle field overlooking Clarksburg, WV.

We set up two shelters, and dipoles for 40/80 meters, then raised the tower with a tri-bander. We secured for the evening around 8 PM to return on Saturday

morning to finish preparations for the 2 PM starting time. A CW station, and two SSB stations with one position to be shared with PSK31 were installed with one station utilizing a vertical antenna. The GOTA station was set up along with four computers to be used for logging. At 2PM Hal, N8FXH started on 20 meters SSB as he has done for the last several years. John, NW8U started CW on 15/40 meters. The other SSB station and GOTA stations were put into action and everything ran very smoothly. The vertical was not working as well as we expected so a single element rotating dipole was erected, thanks to an abundance of surrounding trees.

Visitors came and went though out Saturday afternoon and an evening meal was enjoyed by all present prepared by our resident cook, Dave N8YPE, with his assistant, Tyler (age 12). Several XYLs attended bringing a great selection of covered dishes and Hotdogs

and Hamburgers were supplied by the club.

The temperatures dropped slightly after sundown making it very comfortable after going through the 90 plus temperatures during the day. Everyone settled in for the long haul just to get through. As time moved on we were visited by several creatures of the night. A friendly raccoon found his way into the site and succeeded in obtaining a loaf of bread. Mike, N8FWD took action hitting the raccoon with a bottle of water. He wouldn't give up the prize but did escape with his ill gotten reward. Several deer roamed in and out of the Field Day site at will during the night. The younger operators gave up the ghost around 3 AM but the old timers held their posts until sunrise when the sleepers were aroused to take over for the remaining time. At mid morning we were visited by a very attractive young lady with motion camera in hand from the local TV station (WDTV-TV) Pictures were taken and appeared on the 6 and 11 PM local news. Things continued without any mishaps and as 2 PM approached preparations began to wrap things up and police the area and leave the Civil War battle field as we found it for another year. Everyone said their good byes to Field Day 2010 looking forward to Field Day 2011.

Myself and others then returned home to catch up on the sleep we had gladly lost over the weekend. For pictures and more information please visit our web site:

<http://www.sjara.org>



Results of Field Day K8DF

Score Summary:
CW 264 contacts
Digital 76 contacts
Phone 1506 contacts
The GOTA stations did very well with a total of 223 contacts.

Claimed Score = **4,372**

Results listed on club web site



K3I Field Day 2010 Expedition

The 1900 Group has coordinated a Field Day 2010 expedition to **Assateague Island** (NA-139) starting Friday, June 25th to Sunday the 27th. Our team is comprised of operators located in the Northeastern portion of the US who can be heard regularly on 1900khz at 8pm EST. Our planned operating location is approximately 12 miles south of the Assateague Island beach parking lot on the Maryland side of the Virginia border. A 1x1 callsign has been assigned and we will be operating as **K3I**.

K8DF worked K3I 4A—MDC--
2010/0627-- 12:01:51 -- 80 mtrs –
SSB

Interference

I know that many (Hams) use mobil rigs on either 2 mtrs or the 70cm band and you have heard interference that breaks your squelch

on your rig as you drive along. Just driving through Bridgeport there are three definite areas of interference. I have come to the conclusion that the interference is coming from computers and digital copiers being used in offices. These are very hard to pinpoint and if the equipment falls into the limits set forth by the FCC there is little anyone can do.

Here are some of the terms we should become familiar with:

Power line communication or power line carrier (**PLC**), also known as Power Line Digital Subscriber Line (**PDSL**), mains communication, power line telecom (**PLT**), power line networking (**PLN**), or Broadband over Power Lines (**BPL**) are systems for carrying data on a conductor also used for electric power transmission. The ARRL and many others have been fighting **BPL** but you see very little mentioned of all the others. Most of the others fall in the 20Kz to 200Kz range which can place harmonics in several of the Amateur Radio frequencies.

Possibly the following may affect us in West Virginia more than the others since this area is a large supplier of natural gas.

The problem of EMF interference on buried pipelines has been known for well over 30 years. However, the problem has gained widespread recognition only in the last 10 years due to improvements in pipeline technology and the increased tendency to locate pipelines in utility right-of-way (**ROW**) near high voltage electric transmission lines. Pipelines are now frequently being installed in electric power transmission right-of-ways (**ROW**). Installation of

pipelines which are considered as electric conductors near high voltage transmission lines can result in unusual pipeline/EMF interference problems. Although the problem has been around since the dawn of radio communications and broadcasting, power-line noise issues are on the rise. The proliferation of electrical, electronic, mobile and wireless devices — which are susceptible to power-line noise — have contributed to this increase. The law requires utilities to rectify power-line interference, but this does not have to be a budget-breaking experience. By using proper approaches, utilities find that dealing with a power-line noise complaint is seldom time consuming or expensive. Power-line noise can interfere with radio communications and broadcasting. Essentially, the power lines or associated hardware generate unwanted radio signals that override or compete with desired radio signals. Power-line noise can impact radio and TV reception, including cable TV head-end pick-up and Internet service. Disruption of radio communications, such as amateur radio, can also occur. Loss of critical communications, such as police, fire, military and other similar users of the radio spectrum, can result in even more serious consequences.

Some Never Learn

SALINAS, CA -- A judge sentenced 53-year-old Kurtis Thorsted of Salinas this week to 30 months in federal prison for making a series of hoax distress signals. He was convicted of doing the same thing in 2004. The court found that Thorsted broadcast 51 false distress messages over six

months, costing the Coast Guard \$102,000 in search and related costs, federal prosecutors said.

BSA JAMBOREE 2010

Amateur Radio will have a high profile during the Boy Scouts of America 2010 National Jamboree that opens July 23, at Fort A.P. Hill in Northern Virginia, and continues through August 1. An estimated 40,000 Scouts and leaders are expected to turn out, and some 45 Amateur Radio operators at K2BSA/4 will be among those on hand to greet them. ARRL Headquarters staff member Larry Wolfgang, WR1B, will attend this year's Jamboree.

At this year's Jamboree, K2BSA will have four HF operating positions for general operation on 80, 40, 20, 15, and 10 meters, plus a VHF station with a 2-meter multimode rig. Licensed Scouts will be encouraged to operate, with

staff members standing by to help as needed, or to serve as control operators for unlicensed Scouts. Most K2BSA operation will be on voice, but there will be some CW operation, especially in the evenings or during the night. K2BSA/4 will operate on or near the established world Scout frequencies: 3.940, 7.290, 14.290, 21.360, 28.360 and 28.990 MHz on SSB and 3.590, 7.030, 14.070, 21.140, and 28.190 MHz on CW. Operation on satellites, digital modes and SSTV also is anticipated.

A special commemorative K2BSA QSL card has been designed. To receive a QSL card for your contact, send a self-addressed, stamped envelope with your card to K2BSA Amateur Radio

Association, 303 Westover Dr, Eules, TX 76039.

WX4NHC Miami, FL

The Atlantic hurricane season could be the busiest since 2005, when Katrina and Rita caused massive destruction along the same part of the Gulf Coast now struggling with the [largest offshore oil spill in US history](#), government scientists with the National Oceanic and Atmospheric Administration ([NOAA](#)) said last week. [According to NOAA's predictions](#), the 2010 season may spawn as many as 23 named tropical storms, including up to seven major hurricanes, a number not likely to be affected by the spill. The Atlantic hurricane season begins June 1 and runs through November 30.

Amateur Radio HF Frequencies (single sideband mode)

20 meters : 14.325 MHz Hurricane Watch Net (Main frequency during Hurricanes)

40 meters : 7.268 MHz Water Way Net (secondary frequency) Maritime Mobiles Net.

80 meters : 3.815 MHz Caribbean Net, (Alternates: 3.950 : North Florida / 3.940 South Florida)

Amateur Radio EchoLink / IRLP

EchoLink Conference: "WX-TALK" Node 7203 EchoLink Alternate

Conference:"VKEMCOMM"
IRLP Node 9219, Alternate Node: 9508 or 9123 www.wx4nhc.org

OLD IS WHEN

You are cautioned to slow down
by the doctor instead of
by the police.

SJARA

Tuesday Night Net

147.210 MHz PL tone 103.5

June, 2010

Sessions5
Total Check-ins.....28
Total time.....75 Mins
Traffic.....0
