



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*

January 16, 2012

| <u>Net Control</u> | <u>Date</u> |
|--------------------|------------------|
| 1. K8WWW..... | January 3, 2012 |
| 2. KD8FDD..... | January 10, 2012 |
| 3. WD8NSC..... | January 17, 2012 |
| 4. K8TPH..... | January 24, 2012 |
| 5. | |

Meeting Minutes

December 15, 2011

Raymon's

SJARA Christmas Dinner

A short meeting was called to order at 7:30 PM by President Jason KD8FDD. Reading of previous minutes and treasurer report were not presented due it being the annual SJARA Christmas Dinner. K8TPH will assign Net Controls on the web site and Sinewaves. New officers will take effect at the January meeting. They are: President KD8FDD, VPresident W8LRA, Secretary N8YPE, Treasurer K8TPH and will serve until December 2013. The blessing was asked by Tom KB8WRZ. There were 18 present and everyone appeared to have a very enjoyable dinner. A picture was taken by the grandson of K8TPH, Tyler and guest Daniel. The picture can be found at <http://www.sjara.org/sjaraxmas2011.htm>. The next meeting will be

held at St. Mark's Lutheran Church at 7:30 on January 19, 2012.



MARS

The Department of the Army has announced that it has begun to take steps to phase out the use of the WINLINK System. The military chain of command that governs Army MARS feels that the Internet portion of WL2K leaves the system significantly open to possible intrusion. To deal with this it plans to replace WINLINK with a newer military e-mail system that has extensive protection against any form of intrusion.

To replace the WL2K system, Army MARS will be expanding on the concept of a national network that is voice, RTTY, MIL-STD 110A and PACTOR capable. The focus of digital communication will be MIL-STD 188-110A, wide shift RTTY, and PACTOR III. PACTOR will

become even more important as the new areas of focus will be "Peer to Peer" and "Keyboard to Keyboard" PACTOR communications. Amateur modes such as MT-63, OLIVIA, and WINMOR, which cannot be used by the military will be eventually phased out as well.



Frostfest

February 4, 2012

Address: Richmond Raceway Complex 600 East Laburnum Avenue Richmond, VA 23222-2253.

GPS Coordinates:

37 deg 35 min 31 sec N - 77 deg 25 min 23 sec W

...aka... 37.586389 x -77.423333
APRS: If your vehicle is APRS-capable, you can home-in on our APRS object, FROSTFEST

[FROSTFEST](http://www.frostfest.com)

www.frostfest.com



Commercials on TV

FCC adopts rules to control loudness of commercials

The US Federal Communications Commission (FCC) today took a major step toward eliminating one of the most persistent problems of the television age – loud commercials. The Commission adopted a Report and Order that implements the 2010 Commercial Advertisement Loudness Mitigation Act (the **CALM Act**), in which Congress gave the Commission, for the first time, authority to address the problem of excessive commercial loudness. As the CALM Act requires, the rules will become effective one year after the date of their adoption, or 13 December, 2012. This gives stations and MVPDs until this date to be in full compliance.

Last Man Standing

Comedian **Tim Allen** stars as a radio amateur, Mike Baxter, KA0XTT, in the new ABC TV show. Last Man Standing produced by John Amodeo NN6JA is an ABC comedy airing at 8 PM (EST) on Tuesday nights.



60 Meter Band

The FCC (Federal Communications Commission)

issued a Report & Order (R&O) on 18 November 2011, detailing changes to the 5 MHz (60 meter) band in the US in response to earlier proposals by the ARRL in 2006.

These changes include a replacement frequency, a moderate power increase and the introduction of CW plus some data modes.

The busy 5368 KHz channel frequency has been replaced by a clearer one at 5359.5 KHz. This is the channel centre frequency, the corresponding USB voice frequency being 5357.0KHz. Power has been increased by 3db from 50W to 100W PEP ERP reference to a half wave dipole. CW is now permitted at a max bandwidth of 150Hz (150HA1A) set on the channel centre.

43 years of 73 Magazine

PDF's of all issues of the popular Amateur Radio publication **73 Magazine** produced by **Wayne Green W2NSD** from 1960-2003 are available for download.

Wayne was always into the latest ground breaking Amateur Radio technology and his magazine reflected that with articles on RTTY, ATV, SSTV, FM Repeaters and Amateur radio satellites.

A popular part of the magazine was Wayne Green W2NSD's 'Never Say Die' column. In it he gave his views on just about everything. Among Wayne's favorite topics over the years were:

- The failure of the ARRL to prepare for the 1971 World Administrative Radio Conference which resulted the loss of hundred

of MHz of amateur satellite frequencies

- The disaster of incentive licensing - The FCC restrictions on repeaters

- The Internal Revenue Service (IRS)

All the 73 Magazine PDF's can be downloaded from <http://tinyurl.com/73Magazine>

Wayne is now 89 (D.O.B. believed to be September 3, 1922) and still going strong, you can read his blog at <http://www.waynegrn.com/wayne/news.html>

Drone

YOKOTA AIR BASE, Japan -- The Navy is testing a long-range drone that hovers 70,000 feet above aircraft carriers and allows fleet commanders to track suspicious vessels across vast expanses of sea.

A prototype of the as-yet-unnamed drone, referred to as the Broad Area Maritime Surveillance (BAMS) system, is in action with the Navy's 5th Fleet and, according to one naval expert, could help keep tabs on any Iranian threats to shipping in the Persian Gulf.



Would make a great 70cm repeater and would have outstanding coverage. Also isn't

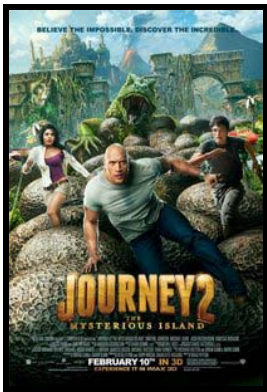
BAMS what we used to call women in the Marine Corp.

Amateur Radio

According to previews, the plot of the movie Journey 2: The Mysterious Island -- set to be released February 10 -- hinges on Amateur Radio.

The movie's hero Sean Anderson (played by Josh Hutcherson) receives a coded distress signal that comes from a mysterious island where no island should exist. Sean decides to follow the signal with the unwilling assistance from his stepfather Hank (played by Dwayne "The Rock" Johnson).

Sean explains to Hank why he wants to hunt down the signal: "A few nights ago, a radio signal got sent out from these coordinates. It could be the mysterious island that Jules Verne wrote about." You can watch the trailer for Journey 2: The Mysterious Island at <http://www.imdb.com/video/imdb/vi4230192665/>



PSK (Phase Shift Keying)

PSK31 was developed and named by an English amateur radio operator Peter Martinez (G3PLX) and introduced to the wider amateur radio community in December 1998.

PSK31 was enthusiastically received, and its usage grew like wildfire worldwide lending a new popularity and tone to the on-air conduct of digital communications. Due to the efficiency of the mode, it became, and still remains, especially popular with operators whose circumstances do not permit the erection of large antenna systems and/or the use of high power.

QPSK31 was introduced a little later to give reception by using forward error correction (FEC). While using FEC QPSK31 sends each character twice thus cutting the speed by one half but in marginal communications good reception can be maintained.

My first introduction to PSK was in the late 1950s when the USSR used PSK to send clandestine information by effecting the Phase of the carrier wave of Radio Moscow. This did not affect the audio since it was contained in the side bands. Most traffic transmitted was either Morse Code or a 5 unit baudo system similar to what is now called RTTY passing coded numeric information. This information either contained schedules or frequencies to be used by clandestine operators worldwide.

Mars probe Doomed

Phobos-Grunt, a Russian Mars probe stuck in Earth orbit since November, is sinking back into the atmosphere. Best estimates suggest re-entry will occur on January 15th or 16th. Meanwhile, citizen scientists can see the probe moving through the night sky sometimes shining as brightly as a first-magnitude star. French astrophotographer Thierry Legault recently photographed Phobos-Grunt through a 14-inch telescope, revealing its outlines and perhaps a clue as to why the probe has had difficulty communicating with Earth. His images and video are highlighted on today's edition of <http://spaceweather.com>



CQ introduces 'Maker' column

CQ Amateur Radio magazine will introduce a quarterly 'Maker' column, Editor Rich Moseson, W2VU, announced today. It will be written by **Matt Stultz, KB3TAN**, and will appear in the March, June, September and December issues of the magazine.

The 'maker' movement is a growing do-it-yourself (DIY) phenomenon among mostly younger, tech-savvy individuals who enjoy hands-on tinkering and experimenting with electronics, crafts and similar projects. Many 'makers' are not familiar with amateur radio, even though hams have been "makers" since the dawn of radio. It is the goal of this column to help build and strengthen bridges between the ham radio and 'maker' communities. Stultz's first column, titled "We Are Makers," will appear in the March issue of CQ.

Pitcairn Island Dxpedition VP6T

I can remember in 1968/69 I talked to Pitcairn Island on a regular schedule. I talked to the Great Grandson of Fletcher Christian, the main character of "Mutiny on the Bounty". As far as I know he was the last Islander to hold and use Amateur Radio on a regular basis. I was lucky enough to meet him in person in 1969 when he visited the Panama Canal Zone. Here is your chance to get a QSL can from a rare location.

There is going to be a Dxpedition to Pitcairn Island (OC-044, CQ Zone 32) between January 20th and February 4th, 2012.

The operator lineup is made-up of Jacques F6BEE, Gilles VE2TZT, Nigel G3TXF, Michel FM5CD and Vincent F4BKV.

They will be on all bands 160-10 metres including the WARC bands during their stay.

They will try and upload the VP6T log to LoTW during the operation if they can. If not, they will upload the logs after their arrival home. They will try to update their VP6T log on "ClubLog" as often as they can during the operation.

For their operating plans, QSL information and other information, take a look at the Dxpedition web site at: <http://www.vp6t.org/>



Equipment For Sale

I have the following items from the estate of WD8IBN for sale:

Kenwood TS 940 S with matching MC 60 mic

MFJ Model 412 Paddle/keyer combo

Heatkit SWR Meter

Heathkit phone patch

Astron RS 35 M Power supply

Will deal to a WV Ham.....Contact Hal N8FXH at 304-842-2320

Gitmo

Look for the following operators to be active from Guantanamo Bay (NA-015) during the months of February and March:

February 4-18th - Ed KN4KL (KG4KL); activity on SSTV, RTTY, SSB, PSK and possibly CW.

February 6-14th - Gary WB4DNL (KG4DL); activity will be mostly on CW.

February 6-23rd - Bill W4WV (KG4WV); activity on SSB, PSK, RTTY and possibly CW.

February 18-25th - Tip N4SIA (KG4AS); activity on CW, SSB, RTTY and PSK.

February 25th-March 3rd - Emmett KD4OS (KG4OS); activity on CW and SSB.

February 25th-March 10th - Stu K4MIL (KG4SS); activity on CW, SSB and RTTY.

QSL all callsigns via their home callsigns. These stations should be very easy to work on 20mtrs, and 40mtrs from anywhere in eastern US.

Joke

After examining a male patient, a doctor took the man's wife aside.

"I must be honest with you," he said in an ominous tone, "I don't like the looks of your husband."

"Me neither," said the wife. "But he brings home a good wage, and he's great with the kids."