



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

August 15, 2011

Net Control

Date

- | | | |
|----|-------------|-----------------|
| 1. | K8TPH..... | July 26, 2011 |
| 2. | K8WWW..... | August 2, 2011 |
| 3. | WD8NSC..... | August 9, 2011 |
| 4. | K8TPH..... | August 16, 2011 |

SJARA Meeting Minutes July 21, 2011

The SJARA meeting was called to order at 19:30 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 \$ 1342.70

Old Business: K8TPH reported that the IRS wants \$400.00 to process our application to reinstate our tax number. He has sent them a letter requesting that the fee be waved as provide for in their regulations.

New Business: K8TPH is working on a technician class for fall or just before the Jackson Mill state meeting.

Net Controls were assigned for next month and the meeting was adjourned by Vice President KD8FDD.

ERILS

Emergency Radio Internet Linking System

During the 2008 Hurricane Season, ARRL HQ instituted a Command-Control-Coordination (C3) operation to support the Sections. One requirement was the need for ARRL HQ to establish radio links into the affected areas. Due to a number of factors, W1AW had no capability to reach into these areas. One tool that was used extensively during recent tropical seasons was [Echolink](#), when local repeaters were so enabled. Echolink was also used to maintain contact with the [National Hurricane Center](#) and [VoIP Hurricane Net](#) operations. The existence of HF nets on the 40 and 80 meter bands while providing excellent coverage of several hundred miles in the impacted areas, did not allow W1AW to come up on any of these frequencies if needed. Nor did it

permit monitoring of conditions to develop and maintain a higher level of situational awareness/disaster intelligence necessary for the Headquarters support operations.

The concept of the "Emergency Radio Internet Linking System" (ERILS) was crafted to meet this need. ERILS would be operated under the ARRL Emergency Preparedness and Response Program. Official ERILS Stations would be designated after meeting specific criteria that would enable them to blend the capabilities of radio and the Internet that would permit emergency communications and a W1AW presence to occur. Stations would be geographically diverse, which would provide redundant pathways into multiple areas of the United States. While Echolink was used successfully in 2008, other current and future software platforms could be used with

traditional RF capabilities to meet the mission needs.

Tower Accident

As a group of South Dakota hams were dismantling a 110 foot tower outside of Hot Springs on Saturday, July 16, a gust of wind toppled the final section, trapping two local hams underneath. Tim Anderson, K0OR, 54, and Tom Embree, NC0K, were transported to Rapid City Regional Hospital via helicopter, where Anderson died of his injuries. Embree underwent surgery on Sunday and Wednesday; he remains in serious condition. Both are members of the Hot Springs Amateur Radio Club; Anderson was the club's president. Hot Springs is located about 57 miles south of Rapid City.

'Young Ham of the Year'

At age 11, **Kaitlyn Cole, KS3P**, of Harvest, Alabama, becomes the youngest person* ever to receive the Amateur Radio Newline™ *'Young Ham of the Year Award.'*

Truth or Science Fiction

On July 15, Walt Bilous, K3DQB -- an Official Observer (OO) in ARRL's Eastern Pennsylvania Section notified ARRL Headquarters of a keyer continuously sending a series of dits on 18.0855 MHz.

According to ARRL Field Regulatory Correspondent Chuck Skolaut, K0BOG, Bilous kept hearing the dits throughout the night.

“By Monday evening, July 18, the FCC indicated that the dits were originating in California, ruling out speculation that it might even

be coming from outside the United States,” Skolaut explained. “On Tuesday, we received word that the FCC had pinpointed the exact location of the dits. They visited the radio amateur's home, found the cause and the transmitter was immediately shut off.” According to the FCC, an amateur in Northern California had unintentionally left his keyboard too close to his keyer paddle, and the paddle somehow got pushed against the keyboard, making it send continuous dits.

What a story! I think someone has been watching SyFy movies. This sounds just like to movie (On the Beach) from 1959 starring Gregory Peck and Ava Gardner when after a dooms day event when everyone except a few in Australia had died and a submarine traveled from Australia to San Francisco, CA following dits and dahs being sent out on a San Francisco radio station transmitter. When they arrived in San Francisco they found only a Coke bottle entangled in the string from a window shade blowing in the wind keying a hand key, thus the mystery solved.



West Virginia State Convention

August 20, 2011

Jackson's Mill 4H Center

Talk-In: 145.39 (Alt. 147.88)

Contact: Robert Bob West

WA8YCD@hotmail.com



Noctilucent Clouds



Night clouds or Noctilucent clouds are tenuous cloud-like phenomena that are the "ragged-edge" of a much brighter and pervasive polar cloud layer called polar mesospheric clouds in the upper atmosphere, visible in a deep twilight. They are made of crystals of water ice. The name means roughly night shining in Latin. They are most commonly observed in the summer months at latitudes between 50° and 70° north and south of the equator.

Noctilucent clouds can form only under very restrictive conditions; their occurrence can be used as a sensitive guide to changes in the upper atmosphere. Since they are a relatively recent classification, the occurrence of Noctilucent clouds appears to be increasing in frequency, brightness and extent. It is theorized that this increase is connected to climate change.

Night clouds or Noctilucent clouds are composed of tiny crystals of

water ice up to 100 nanometers in diameter and exist at a height of about 76 to 85 kilometers (47 to 53 mi), higher than any other clouds in Earth's atmosphere. Clouds in the Earth's lower atmosphere form when water collects on particles, but mesospheric clouds may form directly from water vapor in addition to forming on dust particles.



Noctilucent clouds have been sited further south each year so maybe we are having Global Warming. Sightings have been becoming more common in Ireland and Southern England. There is no record of Noctilucent clouds being observed in the US even though they are more common in Canada and Northern Europe.

ISS

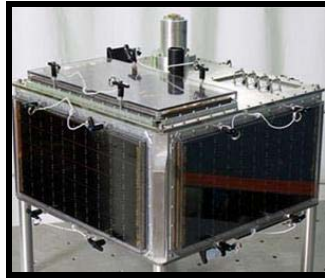
The Russian Novosti news agency reports that, according to deputy chief of the Russian Federal Space Agency, Vitalius Davydov, the International Space Station is to be de-orbited in 10 years, after 2020, and crashed into the Pacific.

The ISS will therefore follow Mir into a fiery deorbit and a watery grave.

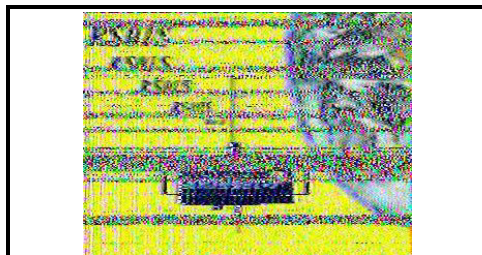


ARISSat-1

After months of delay, ARISSat-1 is finally orbiting our planet, giving ham radio operators another signal to seek, and the chance to try out new communications technology.



ARISSat-1 was launched from the International Space Station on August 3rd, during a lengthy spacewalk by two Russian cosmonauts. The American Radio Relay League (ARRL), based in Newington, CT, was involved in ARISSat's development, along with [AMSAT](#) - the Radio Amateur Satellite Corporation, which promotes amateur radio and space technology. It is up and running and can be heard with voices in several languages including PSK/Packet/SSTV. The ARISSat is tracking slightly behind and 10m below the ISS. It can be tracked using ISS tracking software due to the proximity to ISS. Phone and SSTV can be heard on 145.950 Mhz. I copied the following: SSTV R36 mode at 00:40 local 08/07/2011 during a heavy rainstorm with thunder and lightning.



911 Special Event Station

Look for special event station **N3U/Flt93** (N3U/United Flight 93) to be activated once again between September 8-15th, to remind 'Amateur Radio operators world-wide' of the tragic events that happened near 'Shanksville (Pa), New York City and Washington DC on September 11, 2001. This year's activity will take place during 10th anniversary and the Memorial Dedication for the victims of United Flight 93.

QSL N3U/Flt 93 via W3PN, by the Bureau or direct (Please include SASE and enough return postage. If additional postage is needed...your QSL will be returned via the BUREAU).

For more details see N3U on [QRZ.com](#).

HF Radar

The National Telecommunications and Information Administration (NTIA) which regulates federal government spectrum usage and advises the president on telecommunications matter, has proposed establishing oceanographic radar allocations at several HF frequency segments, including the 60-meter amateur band and immediately adjacent to the 20-meter ham band. According to the ARRL, the recommendation to propose these allocations at next year's World Radio communication Conference (WRC-12) came as a surprise to these members of a U. S. WRC working group set up by the FCC-including an ARRL representative, that had proposed different sets of frequencies and concluded that sharing between these radars and

amateurs would be difficult at best. Apparently, there has not yet been an explanation of why NTIA made these specific proposals or why it disregarded the working group's advice.

Texas wants to talk to West Virginia

Special Event Station K5B Plano Balloon Festival

September 16, 2011 – September 18, 2011 – Celebrating the 31st annual Plano Balloon Festival, members of the Plano Amateur Radio Klub (PARK) and area amateur radio operators will be QRV as K5B during the festival. Frequencies plus or minus QRM: 7.255, 14.255, 21.355 and via Echolink at K5PRK. QSL with SASE to K5PRK. More information is available on our website at www.k5prk.net

Tax Exempt Status 501(c) (7)

After receiving the information from the IRS in Cincinnati, I wrote to Senator Rockefeller, Senator Machin, and Rep McKinley. I received a letter from Senator Rockefeller's office with a form giving them permission to have access to, and review our exempt status. I signed the form and returned it to Sen. Rockefeller's office. I received a letter from Senator Machin informing me that they had forwarded our request to an IRS Advocate. I also received a letter of receipt from Rep. McKinley's office. In the last few days I received a package of instruction from the IRS Advocate informing

me of what forms that must be filed and submitted to them, no later than August 24, 2011 to be considered. The advocate informed me that if all the paper work is submitted in a timely and correct fashion then the fee will be reduced to \$100.00 vice the \$400.00 previously quoted by the IRS Cincinnati office. I have spent about 6 hours preparing the forms and will present them to the club membership at the August 18th meeting. I am asking that if possible as many members please attend since this a very important situation that must be addressed.

Hope to see you there

August 18, 2011

A Man Thing

A Ham and his XYL were having marital problems over his excessive operation during Special Events and Field Day, so they decided to see a marriage counselor.

After listening for several hours to the pros and cons of the problem, the counselor said, "The wife must be more understanding that this is something her husband must be able to do", and then he walks up to the wife and gives her a big hug.

The Counselor turns to the husband and tells him that this is what he must do everyday to help the wife understand.

The husband looks at the counselor and asks, just what time do you want me to bring her in each day'?

Technician Class

The notice for the Technician Entry Level Class appeared in the CPC Exponent Telegram for a week and only one individual resisted for the class to be held on August 12/13. Since response was disappointing I notified the OEM that the class room would not be needed and I canceled the class.

Upcoming things to be considered at the August meeting and the September meeting.

- 1.- Christmas Dinner.
 - 2.- Nominating Committee selected at the September meeting.
 - 3.- Officer recommendations for offices of President, Vice President, Secretary, and Treasurer at October meeting.
 - 4.- Appointment of 3 Trustees.
 - 5.- Since the Club cash flow is being depleted it must be considered to increasing membership fees or find some way to increase income for the Club.
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