



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

18 November 2013

Net Control

Date

1.	K8TPH.....	October 22, 2013
2.	K8WWW.....	October 29, 2013
3.	K8TPH.....	November 5, 2013
4.	K8WWW.....	November 12, 2013
5.	K8TPH.....	November 19, 2013

Monthly SJARA Minutes October 17, 2013

Stonewall Jackson Amateur Radio Association meeting was called to

Order by the Secretary, N8YPE at 7:30 PM at St. Marks Lutheran Church... Minutes of the September meeting were read by N8YPE and accepted as read.

Treasurers, K8TPH, report a balance of \$ 1603.97 with \$ 1308.97 in the general fund and \$ 195.00 in the equipment fund.

Communication: K8TPH reported the tower man has yet to get to the antenna repair but is expected in the next week. he cost for antenna feed line and installation on the EMS tower will approach \$5000. We are currently looking for funding for that project. This is critical in that the one of the repeaters may be forced out of the present location.

There was no old business:

New business: The following were nominated.

President KA5NYN, Vice President N8YPE, Secretary K8TPH, Treasurer KD8TRA, Trustee KD8FDD, K8WWW, WV3G, K3EQ, KB8ABS, KD8GKQ and N8FXH.

Discussion: By moving a repeater to the EMS tower we will have a location we can access for repair with backup power. K8TPH will address the county commission in an attempt to get help with funding the move. We have also mailed 50 letters asking for assistance.

Net controls were appointed and the meeting adjourned.

Did you vote?

Remember that voting for the new SJARA officers will be at the November 21st meeting. At that time you can nominate from the floor. If you are not attending the meeting your absentee ballot must reach me at the club email address k8dfsjara@aol.com or in the USPS mail addressed to me at 170

Pennsylvania Ave. Bridgeport, WV 26330 or SJARA PO Box 750, Clarksburg, WV 26301 and must arrive prior to the meeting. Absentee ballots will not reflect any new nominees on the night of the November meeting. Also Absentee ballots must reflect the voters call sign or name to verify membership voting privileges.

Vanity HQ Goes QRT

A website that served for 14 years as the first stop for many hams seeking a vanity call sign has been shut down. "Vanity HQ" was taken offline by its founder Mike Carroll, N4MC, citing "a shift in my priorities," according to the ARRL Letter. The report noted that similar information on available and likely-to-become available call signs may be accessed via the RadioQTH website at www.radioqth.net.



Scholarships

The ARRL Foundation is currently accepting applications from eligible young radio amateurs pursuing higher education. More than 80 scholarships ranging from \$500 to \$5,000 are awarded annually. Additionally, one applicant is selected for the prestigious William R. Goldfarb Scholarship, awarded to a high school senior pursuing a degree in business, computers, medical, nursing, engineering or science. The recipient of the Goldfarb Scholarship is eligible to receive funding throughout four academic years to earn a bachelor's degree. All applicants must be active radio amateurs and must complete and submit the online application.

"The scholarship process, though rigorous, distributes more than \$150,000 to deserving young people, who are actively involved in Amateur Radio and preparing for their future. Individuals and clubs, who support these scholarships, are excited to be able to assist with the financial burden of advanced education," says ARRL Foundation Secretary Mary Hobart, K1MMH. "Both the ARRL Foundation and donors know that we are helping the next generation and the future of Amateur Radio." In 2013, the ARRL Foundation awarded 82 scholarships in addition to the Goldfarb Scholarship. Students planning to apply for 2014 awards should read scholarship

descriptions carefully and apply only for those scholarships for which they are eligible (some scholarships have geographic criteria or other requirements). In addition to completing the online application, applicants must submit a PDF of their academic transcript from their most recently completed school year. Goldfarb Scholarship applicants also must submit a copy of their completed Free Application for Federal Student Aid (FAFSA). Applications are due January 31, 2014, by 11:59 PM Eastern Time. Awards winners typically are notified in mid-May by USPS mail and e-mail. For more information about ARRL Foundation scholarships, email the ARRL Foundation or call 860-594-0348.



ARES E-Letter Goals for its Ninth Year

This issue of your ARES E-Letter marks the beginning of the ninth year of its publication as an ARRL monthly electronic periodical. The first issues came in September, 2005, during the Hurricane Katrina mega-disaster. Those issues contained much network and other critical information from the field, with anecdotes of amateurs performing yeoman's work directly in the path of harm's way. The initial circulation was a

little over 8,000 subscribers. For almost a decade now, the circulation has ballooned to more than 37,000 subscribers. I am proud of that number, not as a reflection on your editor, but as an indication of the incredible growth of interest in the field for Amateur Radio as an emergency communications, disaster response and recovery radio communications service that works so well on a strictly volunteer, unpaid basis, simply out of a collective desire to help our neighbors in distress. [ARES Newsletter](#)



Champions of Change

The best ideas come from the American people. Everyone has a story to tell, everyone has a part to play.

All across the country, ordinary Americans are doing extraordinary things in their communities to out-innovate, out-educate, and out-build the rest of the world. Every week, we will invite these Champions of Change to the White House to share their ideas to win the future.

NBFD Life Safety Specialist Matt Brisbois and CERT Board Member Karen Tringali attended a special ceremony at the White House on September 24 where Brisbois was honored as one of only 18 individuals selected this year as "Champions of Change for Community Preparedness and Resilience." [More](#)

ARRL

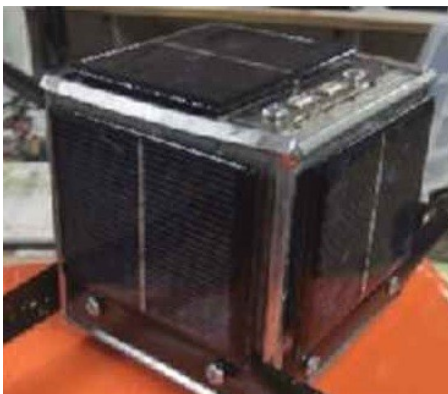
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Wi-Fi access via light bulbs

News reports that Professor Chi Nan of Shanghai's Fudan University has used a LED bulb to provide a high speed internet connection. The problem with Li-Fi technology is getting the Internet to the bulb. It is understood all current Li-Fi systems make use of polluting Power Line Telecommunications (PLT) which can render the HF radio spectrum unusable.



Balloon Launch

Students at South Charleston High School are reaching for the sky in a new project that hopes to launch a satellite into outer space.

Students have completed about 10 percent of the project. They say it's gratifying to be able to assemble, engineer, and program the parts by themselves.

The satellite will be equipped with a gamma ray reader, weather center, and camera. Teachers are hopeful everything will be recorded and streamed online, so students can monitor the progress. They'll be launched and travel up to 100,000 feet above the earth's surface before they float back to earth with the help of a parachute. Hopefully, all of it will be recorded and streamed online, so the students and community can experience the experiment in real time.

Students hope to launch Near Space Satellites this spring. They will be carried into the atmosphere by helium filled balloons to serve as a test platform. If the trial is successful, NASA will launch the satellite into orbit using a rocket. The package will be equipped with APRS and be on the VHF/UHF amateur bands.

QRP Antenna Tuner



The Hi-Tee Truner is a little pricey (\$80.00) but I know you have spent more for less.

The Hi-Tee tuner has been designed with flexibility in mind. It is suitable for most unbalanced

wire antennas and will tune from 60 through to 10m. An air-dielectric coil is used to give better Q than can be achieved with toroids.

A plastic case is used to maintain the Q of the coil and to keep weight low. A custom made front panel includes a table that you can fill in with the optimum settings for your favourite bands using a permanent marker (supplied). 100 Volt rated variable capacitors are used to give a power rating of 20 Watts. The antenna is connected using standard 4mm plugs (supplied). Output to your radio is via a BNC plug. Your Hi Tee Tuner is supplied "kite ready" with a static discharge resistor installed at the antenna input. [More...](#)

Global Eruption on the Sun



More and longer openings on 10/6 meters may extend into the winter months.

Space Weather reports on what may be an interconnected global eruption on the Sun. Solar activity is high and intensifying. New sunspot AR1882, which rotated over the sun's eastern limb earlier October 25, promptly unleashed an X1-class solar flare, adding to a series of lesser flares already underway from sunspots AR1875 and AR1877.

NASA's Solar Dynamics Observatory recorded a bright flash of extreme UV radiation from the X1 flare, which peaked at

08:01 UT on Oct. 25th: There may be more to this flare than meets the eye. The X1-flare was bracketed by two erupting magnetic filaments, each located hundreds of thousands of kilometers from AR1882. In other words, the X1 flare might have been just one piece of an interconnected global eruption. More flares are in the offing. There are now three sunspot groups on the Earthside of the sun capable of strong eruptions: AR1875, AR1877 and AR1882.

KA0XTT



KA0XTT is Tim Taylor, a fictional character on the TV show “The Last Man Standing” on ABC TV Network each Friday evening at 8PM Eastern time. The last time that KA0XTT was featured on the show did not reflect ham radio in a legal way so lets hope that the next time the writers and producers strive to be more accurate. The next show featuring Ham Radio will be on Friday November 22, 2013 on you local ABC TV at 8:00PM Eastern, 7:00PM Central time.

FCC Ruling



The FCC has dismissed a [Petition for Rule Making](#) that sought to expand Technician privileges in

the 10 meter band. The Toledo Mobile Radio Association ([TMRA](#)) had asked the Commission last June to expand the spectrum available to Technician licensees on 10 meters to include operating privileges in the FM portion of the band, from 29.520 to 29.700 MHz. Novice and Technician licensees now may operate on 10 meters from 28.000 to 28.500 MHz.

Debit/Credit Cards Contactless Scans

I have been reading articles that may be of concern to all of us that use credit and debit cards to pay at the check out while shopping.

There are three ways your card is recognized at the check out. One is by using the bar card that is located on the back of the card. Second is the magnet strip on the back of your card. These two are proximity scans. The bar code is scanned by a light beam while the second is the scanning of a magnet field set up on the strip.

The third is really the one that concerns me. It is the one where a chip is imbedded in your card which sends out a signal in the RF range. These frequencies are in the range similar to what we know as wi-fi. These frequencies have a very limited range so to intercept them you must be very close to the origin due to the reduced power used. The problem is the passing of data on a frequency of 13.56 MHz using a sub channel data rate of 847 KHz. These frequencies are detectable at ranges of feet and at times yards away. They can be intercepted by a receiver and recorded to be analyzed at another location. Just another way of making your information available to hackers.

IARU Band Plan 2013



International Amateur Radio Union ([IARU](#)) [Region 2](#) (the Americas) has published a revised [IARU Region 2 Band Plan](#) for all allocations from 137 kHz to 250 GHz, effective September 27, 2013. The member-societies of IARU Region 2 adopted the new plan during their triennial General Assembly in Cancun, Mexico, in late September. Delegates from 18 national Amateur Radio associations attended. Representing the ARRL were President Kay Craigie, N3KN, as the voting delegate; First Vice President Rick Roderick, K5UR; Chief Executive Officer David Sumner, K1ZZ, and Technical Relations Specialist Jonathan Siverling, WB3ERA.

www.sjara.org/bandplan2013.pdf

Relocation

146.685MHz Repeater

N8YPE/K8TPH appeared in front of the Harrison County Commission representing SJARA and KC4AJH requesting to relocate the 146.685MHz repeater to the 911 transmitter compound and to buy the antenna/hard line and installation on the 911 tower. Approval was given and OEM Paul Bump was authorized to spend approximately \$4500.00 for materials and installation of the antenna on the 911 450 ft tower located in the PK addition of Clarksburg.

Field Day 2013 Results for West Virginia Stations

Class	Call	GOTA	Contacts	Multiple	Participants	Score
1A	W8I		632	2	14	2718
2A	W8GK	N8LW	1948	2	31	7002
2A	W8SP		1338	2	26	5342
2A	K8VNO	KD8MIV	182	2	28	1388
3A	K8DF	K8TPH	2070	2	16	7056
3A	N8NBL		900	2	32	3044
5A	WC8EC		500	2	25	2750