



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/May/2015

<u>Net Control</u>	<u>Date</u>
1. K8TPH.....	May 12, 2015
2. K8WWW.....	May 19, 2015
3. K8TPH.....	May 26, 2015
4. K8WWW.....	June 2, 2015
5. K8TPH.....	June 9, 2015

Minutes

SJARA

April 16, 2015

The April meeting of the Stonewall Jackson Amateur Radio Association was called to order by Vpres N8YPE at 7:30PM. There were four members in attendance N8YPE, K8EAS, WV8MD, and K8TPH.

The minutes of the March meeting of the SJARA by K8EAS and were accepted as read. There was no Old Business. New Business: Field Day, K8TPH will check to make sure the field behind the WMCA will be available for use on Field Day. The treasurer KD8IZC was suggested that the Pota Poti be ordered for Field Day. N8YPE said that he believed that Troop 14 local BSA are expected to attend Field and camp out for the weekend. A moment of silence and respect was observed by the members in attendance in respect of our member WV3G. A motion was made and 2nd and the meeting was adjourned at 8:30PM. Next meeting will be May 21, 2015. We need as many to attend as possible to plan Field Day. Field Day in June 27,28 2015.

WV3G SK

Gordon Cameron

Gordon Everett Cameron, 79, of Clinton, MD passed away April 11, 2015 at MedStar Georgetown University Hospital. Born May 3, 1936 in Washington, DC, he was the son of Bondee Cameron and Mabel Hatton Cameron. Gordon served in the United States Navy from 1955 to 1958. He worked as an electrician in the Navy Yard, retiring from the Federal Government in 1977. He enjoyed amateur radio and the outdoors, especially hunting, fishing and crabbing.

Interment will follow at Maryland Veterans Cemetery, Cumberland, MD.



Memorial donations may be made to Clinton Volunteer Fire Department, 9025 Woodyard Rd., Clinton, MD 20735 or American Cancer Society, or American Cancer Society, P.O. Box 22718, Oklahoma City, OK 73123-1718.

Noise from Switching-mode Power Supplies

ARRL Laboratory Manager and EMI Expert Ed Hare, W1RFI, told the HamRadioNow webcast recently that switching-mode power supplies are a more common noise source for radio amateurs than electrical power lines. HamRadioNow host Gary Pearce, KN4AQ, interviewed Hare on April 4 at the Raleigh, North Carolina, RARSfest, where Hare also presented a forum, "Tall Tales from the ARRL Lab." Hare told Pearce that switching-mode power supplies are in — or provide power for — many home electronics these days. "The old days of those iron transformers are gone," Hare said. "Every single one of these is a switcher. We're also seeing noise from pulse-width control motors." Hare said the big culprits are "little wall warts," not switching supplies

designed to power Amateur Radio gear. "Every TV you own has a built-in switcher, almost every device has a wall-wart, and a lot of these are imported, not necessarily meeting the FCC rules, so we're seeing more reports involving those," he said.

Hare also told HamRadioNow that a few LED-type lightbulbs that are becoming more common also can be noise-generators, as are "grow lights" used for cultivating plants indoors. He said that the ARRL Lab can work with manufacturers to correct these problems, but the Lab needs model numbers and "specific information about the problems amateurs are having, so that we can put some of our resources toward helping."

Read the full ARRL story at <http://www.arrl.org/news/switching-power-supplies-a-more-common-noise-source-than-power-lines-arrl-lab-manager-says>

Radio operators Eyes on the ground

When severe weather hit north-central Illinois last week, there was an army of volunteers out gathering information, and funneling it to the National Weather Service to provide a more accurate picture of what was going on.

Among those volunteers were amateur radio operators.

Tom Ciciora has been involved in amateur radio, or ham radio, for more than 40 years. He said, when thunderstorm or tornado warnings are issued by the National Weather Service, amateur radio enthusiasts will head toward areas where it might be worst, using smartphone app radar as a guide.

"When this thing initiated, there were folks in the correct place, making reports back to the weather service, and all along its path," he said. He called what happened Thursday

evening, when a deadly tornado hit near Rockford, "quite a group effort." Ciciora said enough warning went out as a result, that – even though two people were killed – most people were able to get to someplace safe, and minimize any injuries.

Learn more about helping in reporting the weather and participating in early warning. Go to Skywarn and learn more. <http://www.skywarn.org>

New transatlantic 144MHz beacon

EI2DKH transatlantic 144MHz beacon is fully operational as of 12 April 2015.

Transmitting JT65b with CW ID on 144.488 MHz every even minute and listening on 144.155 MHz every odd minute.

Any call signs received are uploaded to a publicly accessible webpage at <http://86.43.106.118/ei4hq/ei8jk/>

During major meteor showers the beacon will switch to FSK441

Beacon details;
4 x 5 element LFA-Q (22.24 dBi) QTF 270° (sponsored by Inno Vantennas

<http://www.innovantennas.com/>)

Antenna height 60m asl

TX power 75 watts

ARRL Challenge FCC

I am not particularly interested in the 77-81Ghz band but I know there are a lot of hams that like to experiment and use the higher frequencies.

The ARRL has challenged the FCC to "[do more than talk the talk](#)" with respect to an FCC proceeding now under way to accommodate vehicular radar applications on spectrum in 76-81 GHz range. In reply comments filed on April 20, the League rebutted assertions from some commenters, and contended that Amateur Radio and short-range vehicular radar, as

proposed by Bosch LLC, are compatible at 77-81 GHz.

"ARRL is comfortable with and has embraced this conclusion," the League said in its reply comments. In light of a "thoroughly vetted and adopted" International Telecommunication Union (ITU) study already on record, the League said the FCC cannot go along with the suggestions of some industry commenters to exclude Amateur Radio from the 77-81 GHz segment.

Whistler

The US Consumer Product Safety Commission (CPSC) has announced that Whistler is recalling its "Jump&Go" Portable Jumpstart and Power Supply units, due to a potential fire hazard. Some ARES/RACES participants use these units as a handy, portable 12 V source. The recall involves more than 10,000 of the pocket-sized devices, manufactured in China.

According to the CPSC, the unit's lithium battery can overheat, causing it to melt and catch fire. The recall involves 12 V Jump&Go Portable Jumpstart and Power Supply units with model numbers starting with WJS-3000. Recalled units have date codes in YYYY/WW format from 201404 through 201439. The model number and date code are on the back of the unit under the colored silicone boot. The date code is stamped directly on the case adjacent to the operational label. The model number is on the operational label. Units having a serial number on the operation label are not included in this recall. Models were sold in red, pink, yellow, and black cases.

Chinese ISP Provider

I was emailed by a Chinese ISP provider offering to buy SJARA.ORG. It seems a company has applied for a block domain name of sjara.org.cn,

sjara.org.cn sjara.net.cn but since sjara.org belongs to the Stonewall Jackson Amateur Radio Association this block can not be legally issued it to someone else, so this company wanted to buy our domain name. They made no monetary offer so I emailed them and told them we had no interest in selling our domain name. I doubt if I ever hear from them again. Will have to check in the future to see if sjara.org.cn appears on the Internet. I assume China can issue the domain name and ignore the rest of the world.

US Naval Academy CubeSat

Sometime on or about May 20, the next US Naval Academy satellites and Brno University PSK31 transponders head into space from Cape Canaveral on an Atlas 5 launcher and into an approximately 50° orbit. The launch will include the Psat APRS satellite -- a pair of identical 1.5 U cubesats (A and B) -- as well as the BRICsat and USS Langley (Unix Space Server Langley) nanosatellites.

"Psat is a Naval Academy student satellite project named in honor of one of our graduates, Bradford Parkinson, of GPS fame, which contains an APRS transponder for relaying remote telemetry, sensor, and user data from remote users and Amateur Radio environmental experiments or other data sources back to Amateur Radio experimenters via a global network of Internet-linked ground stations," explained APRS developer Bob Bruninga, WB4APR. In addition to the data transponder, a secondary Brno University transponder will support multi-user PSK31 text messaging. The APRS downlink will be 145.825 MHz (1200 baud AX.25 APRS).

Navy MARS SK

The US Department of Defense is phasing out the US Navy-Marine Corps Military Auxiliary Radio System (MARS) program. Its operational mission will transition to the other MARS service branches by the end of September. MARS volunteers are Amateur Radio operators who provide auxiliary or emergency communications to local, national, and international emergency and safety organizations, as an adjunct to normal communications.

"The intent of the transition is to best align the program to support national mission requirements," the announcement said. Chris Jensen of Naval Computer and Telecommunications Area Master Station Atlantic (NCTAMS LANT) told ARRL that the Navy no longer has any service-specific requirements for Navy-Marine Corps MARS and is working within DoD to transition the program into Army and Air Force MARS by September 30.

CQ announces 2015 Hall of Fame inductees

CQ magazine today announced its 2015 Hall of Fame inductees, adding two members each to the CQ DX and Contest Halls of Fame, as well as nine new members of the CQ Amateur Radio Hall of Fame.

The CQ Amateur Radio Hall of Fame honors those individuals, whether licensed hams or not, who have made significant contributions to amateur radio; and those amateurs who have made significant contributions either to amateur radio, to their professional careers or to some other aspect of life on our planet.

The 2015 inductees (listed alphabetically) are:

Tim Allen, KK6OTD - Actor and star of the ABC comedy, "Last Man

Standing," on which his character is also a ham, Mike Baxter, KA0XTT.

Charles Apgar, ex-2MN (SK) - uncovered German spy transmissions from Telefunken shore station WSL in New York during WWI.

Dan Benishek, KB8TOW - Member of Congress from Michigan. Medical doctor and advocate for veterans.

Olof Lundberg, G0CKV - Leader of the communications satellite industry for a quarter-century. Founding Director General of Inmarsat; founder, CEO and Chairman of ICO Global Communications and CEO of Globalstar, Inc.

Bre Pettis, W2BRE - 3D printing pioneer and founder of MakerBot.

Alvino Rey, W6UK (SK) - A leading musician of the swing era, Rey is considered the father of the electric guitar and inventor of the talk box, pickups and other electronic musical devices. He combined his love for music with his love of radio to transform the music world.

Bob Twiggs, KE6QMD - Co-inventor of the cubesat design standard.

Greg Walden, W7EQI - Member of Congress from Oregon. Chairman of the House Communications and Technology Subcommittee.

Joko "Jokowi" Widodo, YD2JKW - President of Indonesia.

Field Day Memorabilia

Will be ordering Field Day items on May 24, 2015. Must have paid orders by SJARA Thursday night meeting May 21, 2014. Item cost will be [ARRL](#) cost plus \$1.00 per item for shipping. Contact me email: k8dfsjara@aol.com or Cell phone 304 629 4302

NASA

Prof. Dava Newman KB1HIK was sworn in as NASA Deputy Administrator on May 15 from her MIT office. Her appointment had been confirmed by the U.S. Senate on April

27. NASA Administrator Charles Bolden (formerly KE4IQB) said, "I am delighted with the Senate confirmation of Dr. Dava Newman to be the deputy administrator of NASA. The strong bipartisan support Dr. Newman received in the Senate is a reflection of her well-earned reputation and renown as a global leader in science and technology research and policy." Prof. Dava Newman KB1HIK being sworn in as NASA Deputy Administrator Credit MIT Newman is a professor of aeronautics and astronautics and of engineering systems. On the MIT faculty since 1993, she directs the Institute's Technology and Policy Program and MIT Portugal Program, and is co-director of the Department of Aeronautics and Astronautics' Man Vehicle Laboratory. She is a Harvard-MIT Division of Health Sciences and Technology faculty member, and a Margaret McVicar Faculty Fellow. Her research has included modeling human performance in low and micro-gravity conditions, examining the dynamics and control of astronaut motion, and the development of assisted walking devices for the physically handicapped. Perhaps her most prominent project has been development of the BioSuit, a skintight spacesuit that would give astronauts unprecedented comfort and freedom in exploration of planetary surfaces and extra-vehicular activity. After accepting the confirmation, Newman said, "It's an enormous honor to serve at NASA in times when our country is extending humanity's reach into space while strengthening American leadership here on Earth. I'm profoundly grateful to President Obama, the United States Senate, and Administrator Bolden — along with everyone at MIT. I can't wait to come aboard."