



Monthly Meeting:

Our monthly meeting will be held at **The Magic Tree Pub & Eatery** which is located at 7463 South Avenue, Boardman, Ohio 44512 just South of State Route 224 across from the iHeart Media Facility.

Our Next Meeting is: September 8<sup>th</sup>, 2016

At our next meeting we will welcome Bill Bennett from LAWO, Inc. who will be discussing virtualization in radio. We will order lunch, have a brief business meeting, and proceed with Bill's presentation. If you have any questions, please feel free to either call or email me.

August Meeting Minutes are attached.

Membership:

Email addresses using the Sbe122.org domain are still available. If you would like one, please let me know at [rkfoley@sbe122.org](mailto:rkfoley@sbe122.org). Include your preferred name, otherwise I will assign your first initial and last name.

Certification:

By Dave Brett



**Get SBE Certified**

The Certification Program is a service of SBE contributing to the advancement of broadcast engineering for the general benefit of the entire broadcast industry.

An application can be found on the SBE website. [http://www.sbe.org/sections/cert\\_index.php](http://www.sbe.org/sections/cert_index.php)

<u>Exam Dates</u>	<u>Location</u>	<u>Deadline</u>
Feb 5-15, 2016	Local	Closed
April 19, 2016	NAB	Closed
June 3-13, 2016	Local	Closed
Aug 5-15, 2016	Local	Closed
Nov 4-20, 2016	Local	Sep 30, 2016

Webinars by SBE:

Along with the Live Webinars, the SBE offers several On-Demand Webinars.

AM Ground Systems

<http://www.sbe.org/sections/AMGroundSystems.php>

IP Network Troubleshooting - Part 1

<http://www.sbe.org/sections/IPTroubleshooting.php>

IP Network Troubleshooting - Part 2

<http://www.sbe.org/sections/IPTroubleshootingpart2.php>

IP Network Troubleshooting - Part 3

<http://www.sbe.org/sections/IPTroubleshootingpart3.php>

And many others at:

<http://www.sbe.org/sections/WebinarsbySBE.php>

IRLP Hamnet

Sep 5<sup>th</sup> & 19<sup>th</sup> / Oct 3<sup>rd</sup> & 17<sup>th</sup> @ 9pm EST

The SBE IRLP HAMnet is based in Denver using the repeater 449.625 (in Denver, 141.3pl), IRLP Node #9615, Echolink \*SBE\*, or node #96150 on the first and third Mondays of each month at 9:00 p.m., U.S. Eastern Time, 6:00 p.m. Pacific. The SBE IRLP Reflector, Node 9615 is connected to the world via Echolink. Amateurs can access the reflector via Echolink using a computer as well as via radio. This reflector is also connected to the WA2CBS repeater in New York City. The Echolink connection is via Node #96150, or \*SBE\*.

<http://www.sbe.org/sections/IRLP.php>



**HF Hamnet**

Sep 11<sup>th</sup> / Oct 9<sup>th</sup> @ 8pm EST

The HF HAMnet takes place on the second Sunday of every month at 2400 GMT. Hal Hostetler, CPBE, WA7BGX, serves as net control. The published frequency is 14.205MHz. Occasionally, that frequency is busy and you may need to move up (no more than 10kHz) to find the SBE meeting.

<http://www.sbe.org/sections/IRLP.php>

**Articles From SBE Website:**

**Be Prepared for the 2016 National EAS Test**  
July 25, 2016



With the pending national EAS test and the FCC's unveiling of the EAS Test Reporting System, the SBE has prepared this summary of dates and actions of which all stations should be aware.

July 30, 2016

Station EAS decoders must recognize the 000000 area code and NPT (National Periodic Test) event code

August 26, 2016

Stations must complete Form One in the ETRS

**September 28, 2016, 2:20 p.m. ET  
EAS test**

If circumstances prevent a test on Sep 28, the secondary test date is Oct 5, 2016.

September 28, 2016

By 11:59 p.m. ET, stations must complete the day-of-test report on Form Two in the ETRS

November 14, 2016

Deadline to submit post-test data on Form Three in the ETRS

[http://www.sbe.org/sections/news/eas\\_national\\_test\\_prep.php](http://www.sbe.org/sections/news/eas_national_test_prep.php)

**SBE Re-Elects Jerry Massey as President**  
August 26, 2016

The Society of Broadcast Engineers, the association for broadcast and multimedia technology professionals, announces the results of the 2016 election for the national board of directors. Jerry Massey, CPBE, 8-VSB, AMD, DRB, CBNT, was re-elected as the society's president. Massey is the regional technical operations director, Southeast for Entercom Communications, and the director of technical operations, MIS, sustainability for Entercom Greenville.

<http://www.sbe.org/sections/news/2016electionresults.php>

**FCC Releases 2016 Update to EAS Handbook**  
August 19, 2016

As part of the preparations for the next EAS National Periodic Test on Sept. 28, 2016, the Federal Communications Commission has released revision of the EAS Operating Handbook. A copy of the handbook must be located at normal duty positions or EAS equipment locations when an operator is required to be on duty and be immediately available to staff responsible for administering EAS tests. The 2016 edition supersedes all other editions and must be in place in time for the 2016 nationwide EAS test. The handbook's new format was designed by industry and alerting stakeholder members of the Commission's Communications Security, Reliability and Interoperability Council (CSRIC). This format allows each EAS participant to enter data specific to its own configuration, tailoring the operational steps outlined in the manual for local relevance.



The handbook is posted for download on the FCC's, and can be directly downloaded with this link.

<https://transition.fcc.gov/pshs/eas/ETRS/EASOperatingHandbook2016.pdf>

[http://www.sbe.org/sections/news/eas\\_handbook\\_2016.php](http://www.sbe.org/sections/news/eas_handbook_2016.php)

### Kind of Related News

Altered USB Could Steal Windows and Mac Credentials  
Sep, 7<sup>th</sup>, 2016 on BatBlue.Com

Researchers discovered a different attack method to steal user credentials from Windows and Mac computers through a modification in a USB adapter.

The attack method may also affect Linux users, however, the researchers have not tested the new technique on the operating system at this time.

The researchers claim the new method has the capability of attacking locked computers on which the targeted user has previously signed into with his or her credentials.

The firmware of the USB-based Ethernet adapter was modified to run specific software that establishes the device as the network gateway for DNS and WPAD servers on the targeted device, according to the researchers.

The researchers claim the attack method is successful because most devices recognize and readily install plug-and-play USB devices when connected to the computer. The USB devices are reportedly accepted by the computer even if the PC is locked.

The computer provides the USB Ethernet adapter with local credentials required to install the device on the operating system. The researcher's software on the modified USB intercepts the

credentials and allegedly stores the data on a SQLite database.

Although the attacker would need to have physical access to the targeted device, he or she could carry out the attack in around 13 seconds, according to the researchers.

The researchers warn this type of attack vector is possible on Windows 98 SE, Windows 2000 SP4, Windows XP SP3, Windows 7 SP1, Windows 10, OS X El Capitan and OS X Mavericks.

<http://www.batblue.com/altered-usb-steal-windows-mac-credentials/>

### 2016 Officers:

President	<a href="#">Rick Foley</a>	330-509-9650
Vice President	John Clarke	
Treasurer	Mike Orto	330-207-3881
Financial Secretary	Bob Flis	330-744-8611
Secretary	Ben Slagel	

### 2016 Committee Chairs:

Frequency Coordination		
Under 1 GHz	Wes Boyd	330-565-5129
Over 1 GHz	Bob Flis	330-744-8611
Certification	Dave Brett	330-774-1287

### 2016 Other Contacts:

Newsletter & Website Editor	<a href="#">Rick Foley</a>	330-509-9650
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Meeting Minutes

Meeting Date: Thursday, August 11, 2016 Start: 12:41 Number of Attendees 8 (Sign In Sheet Attached)
Meeting Place: The Magic Tree - Boardman End: 12:53 SBE Members: 8
SBE Certified: 4
Guests: 0
Presiding Officer: Rick Foley Title: President

Minutes From Last Meeting:
Motion to Accept By: Wes Boyd Motion Seconded By: John Clarke Vote: 8 to 0
(Yea) (Nay)

Treasurers Report: Presented By: Mike Orto

Other Motions Needed
Motion to Accept By: Motion Seconded By: Vote: to
(Yea) (Nay)

Other Motions Needed
Motion to Accept By: Motion Seconded By: Vote: to
(Yea) (Nay)

Committee Reports

EAS John Clarke

The deadline for Form I for the ETRS is August 26, 2016. All ENDECs must be capable of code 000000 by July 30, 2016. National Periodic Test will be on September Nationwide test will be on September 28, 2016

Certification: Dave Brett

N/A

Freq < 1g: Wes Boyd

Some out-of-town operations may be using the local unlicensed RPU frequencies during the Canfield Fair. Users should verify their licensed frequencies are free.

Freq > 1g: Bob Flis

N/A

Meeting Business

Old Business: The September program was discussed. Ben Slagle to bring portable audio gear for our guest to use.

New Business: Wes - The NAB conference in Columbus will be held on October 27. It may be moving to September in 2017.

Program/Speaker: N/A

Meeting Adjournment

Motion to Adjourn By: Bob Flis Motion Seconded By: Wes Boyd