



Monthly Meeting:

Our monthly meetings are held at **The Magic Tree Pub & Eatery** which is located at 7463 South Avenue, Boardman, Ohio 44512 just South of State Route 224 by iHeart Media Facility.



Next Meeting:
Thursday, September 14th, 2017 @ Noon

Notes:

Request for Articles or Stories! I enjoy putting this newsletter together but it is a struggle to provide local content, articles, or stories. If this newsletter is to be an asset I could use help with content prepared by our membership. Please email me if you would be willing to submit one or more articles per year to better our newsletter.

Membership:

Email addresses using the Sbe122.org domain are available to chapter membership. If you would like one, please email me at rkfoley@sbe122.org. Include your preferred name, otherwise, I will assign your first initial and last name.

Certification:

Dave Brett

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

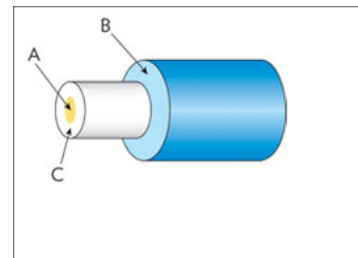
<u>Exam Dates</u>	<u>Location</u>	<u>Deadline</u>
Feb 3-13, 2017	Local	Closed
April 25, 2017	NAB Show	Closed
June 2-12, 2017	Local	Closed
Aug 4-14, 2017	Local	Closed
Nov 3-13, 2017	Local	Sep 25, 2017

Educational Corner:

Dave Brett

Below is a little little quiz to help educate us on Fiber Optics. Take a moment to look the quiz over and we will discuss it during our next meeting.

Fiber Optics



- Identify the three parts of the optical fiber shown in the drawing above.
- Dangerous light from fiber optic cables is always bright and easily visible.
 - True
 - False
- The wavelength of light used for most fiber optic systems is in the _____ region and _____ to the human eye.
 - Ultraviolet, invisible
 - Solar, visible
 - Infrared, invisible
 - Microwave, harmful



Most fiber optic systems use infrared light which has lower attenuation in the glass fiber, but is invisible to the human eye.

www.thefoa.org/tech/ref/basic/jargon.html

4. In an optical fiber, the light is transmitted through the _____.
 - a. Core
 - b. Cladding
 - c. Buffer
 - d. Jacket

5. _____ is the fiber specification most important to the installer in testing.
 - a. Attenuation
 - b. Bandwidth
 - c. Numerical aperture
 - d. Core-cladding concentricity

[Webinars by SBE:](#)



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

RF101: Broadcast Terrestrial Transmission Systems Course

<http://www.sbe.org/sections/RF101.php>

IP Network Security - Part 1

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

IP Network Security - Part 2

<http://www.sbe.org/sections/NetworkSecurity2.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>

AM Ground Systems

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

Transmitter Maintenance Checklist

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

And many others at:

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

[IRLP Hamnet](#)

September 4th & 18th / October 2nd & 16st @ 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](#)

September 10th / October 8th @ 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:

Transition Begins for Broadcasters Leaving 600 MHz Band
August 25, 2017

The SBE has noted recently that users of wireless microphones and UHF low-power auxiliary devices at the close of FCC Auctions 1001/1002 have significant options for continued access to the UHF television band. Among these options is the continued availability of the 600 MHz band (614-698 MHz, above TV Channel 37) during the 39-month transition period that is scheduled to end on July 13, 2020. At the end of this transition period, all television stations that participated in the auction will have cleared the spectrum between 614 MHz and 698 MHz.

To read the rest of the article please visit:
http://sbe.org/sections/news/600MHz_LTE_TMobile.php

Preparing For the September 2017 National EAS Test
August 18, 2017
By Larry Wilkins, CPBE, chair, SBE EAS Advisory Group

All engineers should be aware by now that the Federal Emergency Management Agency (FEMA) has scheduled the 2017 national EAS test for Wednesday, Sept. 27 at 2:20 p.m. ET. This test will be originated and distributed via IPAWS only; the same manner as the 2016 National Test. The test will be sent with the event code NPT for National Periodic Test. All stations are expected to receive the NPT message from IPAWS or off-air and then to relay the NPT message on-air using their normal studio EAS equipment. The message will be sent with both English and Spanish language text and audio.

To read the rest of the article please visit:
<http://www.sbe.org/sections/news/2017NationalEASTest3.php>

2017 Officers:

President	Rick Foley	330-509-9650
Vice President	John Clarke	
Treasurer	Mike Orto	330-207-3881
Financial Secretary	Bob Flis	330-744-8611
Secretary	Ben Slagle	

2017 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:

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