



### 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: April 14<sup>th</sup>, 2016

March Meeting Minutes are attached.

### Membership:

#### **REMINDER!**

Membership Drive 2016  
Continues Until May 31<sup>st</sup>

Copied From SBE National Website

Membership Drive 2016

Help your colleagues get the advantage: have them join the SBE today.

The SBE wants your help in recruiting new members, and you can win rewards for your efforts. Sponsor a new Member, Associate Member or Sustaining Member between March 1 and May 31, 2016, and you will be eligible for the prize drawings. For each approved new member application you sponsor, you will earn \$5 off your 2016 membership dues, up to \$25. Each new member application may have only one sponsor. Applications must be received at the SBE National Office between March 1 and May 31, 2016, to be eligible. Drawing for all prizes will be completed by June 7, 2016.

<http://sbe.org/sections/2016membershipdrive.php>

### Certification:

By Dave Brett

At the last Chapter 122 meeting several questions were raised about the recertification process. Turns out there are multiple answers. More information will be available at the next meeting, but here is a summary.

SBE Certification is valid for a period of five years. Applications for recertification will be accepted six (6) months prior to the expiration date on your certificate.

Each of the certifications is renewable by meeting criteria for employment in the broadcast industry. SBE groups the requirements according to which certification you hold, but in general the requirement is you were employed during the period of your original certification. The groupings are as follows and you should check the SBE website for the details.

\* Certified Radio Operator (CRO) and Certified Television Operator (CTO).

\* Certified Broadcast Technologist (CBT).

\* Certified Broadcast Networking Technologist (CBNT), Certified Audio Engineer (CEA), Certified Video Engineer (CEV), Certified Broadcast Radio Engineer (CBRE), Certified Broadcast Television Engineer (CBTE), Certified Broadcast Networking Engineer (CBNE), Certified Senior Radio Engineer (CSRE), Certified Senior Television Engineer (CSTE) and Certified Professional Broadcast Engineer (CPBE). These certifications differ from the others in that there is a requirement for Continuing Education as explained below.

\* Certified 8-VSB Specialist (8-VSB), Certified AM Directional Specialist (AMD) and Certified Digital Radio Broadcast Specialist (DRB). These certifications are specialists and are renewed by application and payment of a fee.

Continuing Education. For the certifications requiring continuing education credits, each



person must participate in the Maintenance of Certification Program. He or she may do this by accumulating the required professional credits every five (5) years. There is good news here as CE credits accumulate for a number of activities including attending meetings, attending Webinars, employment in broadcast, and seven more categories. See the links for more information.

\* Examination. In addition most of the certifications are also renewable by examination. Check the website for details.

\* Upgrade. Certifications may also be renewed by upgrading to a higher level certification.

Additional information is found here:

- [http://www.sbe.org/sections/cert\\_recert.php](http://www.sbe.org/sections/cert_recert.php)
- [http://www.sbe.org/sections/Cert\\_Maint.php](http://www.sbe.org/sections/Cert_Maint.php)

### Your resolution for 2016:



## Get SBE Certified

An application can be found on the SBE website by clicking the Certification tab.

<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	April 15, 2016
Aug 5-15, 2016	Local	June 3, 2016
Nov 4-20, 2016	Local	Sep 30, 2016

### Webinars by SBE:

2016 SBE RF Safety Course

Date: Thursday, May 12th, 2016  
 Time: 1:00 - 4:30 p.m. ET  
 Member Cost: \$95  
 Non-Member Cost: \$150

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

### Articles From SBE Website:

Nominations Committee Seeks Board Candidates  
February 5, 2016

SBE Nominations Committee is seeking qualified candidates who are voting members (Member, Senior, Fellow or the designated representative of an SBE Sustaining Member) in good standing (dues paid). Candidates must hold an engineering level of SBE certification (CBT or higher or CBNE) and maintain it the entire duration of service on the Board, if elected. Candidates should have a desire to serve and lead, not only as a member of the board, but through service as a national committee chair or member.

Members of the Board represent all members, not any one specific region, state, city or chapter. It is suggested that candidates have previous experience as a leader in his or her local chapter, or other volunteer leadership experience, prior to running for the national SBE Board.

Members of the Board are expected to attend two regularly called meetings each year; in the spring, held during the annual NAB Show, and in the fall, at the annual SBE National Meeting. Other meetings may be called via conference call during the year.

The national SBE board includes 12 directors, four officers and the immediate past president. Directors serve two-year terms and officers serve one-year terms. Six director seats will be



contested in 2016 as will all four officer positions. The SBE By-laws limits the number of terms of elected members of the Board. Directors may serve three consecutive terms. The secretary and treasurer may serve up to four consecutive terms and the president and vice president may serve up to two consecutive terms. The maximum number of years anyone may serve on the board is ten. The time spent as immediate past president does not count towards the ten-year total.

Members interested in offering their candidacy and serving on the national Board if elected are encouraged to contact the chairman of the SBE Nominations Committee, R.J. Russell, CPBE, at [rjrussell@sbe.org](mailto:rjrussell@sbe.org) or 215-982-5310. A slate of nominees will be assembled by the committee by April 29. Other qualified members may be nominated by members in good standing no later than July 12.

The election takes place from July 25 through Aug. 25. The election is held online, but SBE members can opt-out of electronic voting and have a paper ballot mailed to them. Candidates elected will be installed into office during the SBE National Meeting in Columbus, OH, on Oct. 27 in conjunction with the Ohio Association of Broadcasters Engineering Conference.

[http://www.sbe.org/sections/news/board\\_candidates\\_2016.php](http://www.sbe.org/sections/news/board_candidates_2016.php)

### [IRLP Hamnet](#)

April 4<sup>th</sup> & 18<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](#)

April 10<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>

### [Tech Corner:](#)

Some of you will know this but I have a bit of a fascination with The Second Quantum Revolution which has been progressing for many years. This “revolution” will take the rules that have been developed to govern our Physical Reality and apply them to the newest technologies or more precisely to develop the newest technologies. While there seem to be advances all the time we are still a few (he says with a chuckle) years away from the average Joe benefiting from this “revolution” which will advance studies such as AstroPhysics much sooner and to a much greater degree.

At the end of March, Professor James Shaffer, Professor of Atomic, Molecular and Optical Physics at The University of Oklahoma published another article to further these studies and depending on who you ask, this might be the research to make it all possible, at least where ‘Chips’ are concerned.



As Quantum Computing advances it can be said that diamonds are no longer just a girls best friend. Earlier this month MIT researchers announced a new approach developed using synthetic diamonds. The hope is this kind of research puts Quantum Computing within reach. In 2011 a Canadian company produced a 128 qubit machine (16 qubits) and a few years later Google started research.

It seems to be commonly understood that we are still talking about decades not years but I for one hope this research continues to progress as quickly as it has in the last decade.

Okay so I am the nerd you all thought I was, what can I say!

A good presentation, audio is not great, but it is downloadable for free so it should interest most Engineers I know, is:

Quantum Technology:  
 The Second Quantum Revolution  
 By Jonathan P Dowling  
 Department of Physics & Astronomy, Louisiana State University, Baton Rouge, LA

<https://nanohub.org/resources/13017>

“There are 10 types of people in the world: those who understand binary, and those who don't.”  
 - Unknown

“The glass is neither half-full nor half-empty: it's twice as big as it needs to be.”  
 - Unknown

**2016 Officers:**

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



Meeting Minutes

Meeting Date: Thursday, March 10, 2016 Start: 12:29 Number of Attendees: 8 (Sign In Sheet Attached)
Meeting Place: The Magic Tree Pub & Eatery End: 12:44 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: Bill King

Treasurers Report Given By: Mike Orto

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

Committee Reports

EAS: John Clarke
Severe Weather Awareness Week Test on March 23, 2016
Regional EAS test including PA stations

Certification: Dave Brett
Discussed SBE Recertification credit training
Online training materials - 8 free webinars are available to members
Rick Foley inquired about cost of additional webinars and certification credit awarded

Freq < 1g: Wes Boyd
Flex pager transmitter is still producing interference on the 950MHz STL band.

Freq > 1g: Bob Flis
Nothing

Meeting Business

Old Business: Nothing

New Business: Wes Boyd - Annual Skywarn training will be held on March 30, 2016 at Austintown Fitch High School. Registration starting at 5:30PM.

Program/Speaker: Webinar: Sharing of the 2025-2110MHz band with the DoD

Meeting Adjournment

Motion to Adjourn By: Wes Boyd Motion Seconded By: John Clarke