



March 2018

Society of Broadcast Engineers Chapter 24 Newsletter Madison, Wisconsin



Next Meeting

Wednesday, March 28

Nominations & Audio and Video Recording on Location

This month we will meet at the offices of Sound Devices. During the business meeting we will solicit nominations for this year's Chapter elections. Then John Tootles of Sound Devices will handle our program.



Sound Devices is a Wisconsin-based manufacturer of audio recorders, audio mixers, and video recorders used for television and film production.

Their audio products are the worldwide standard for production dialog and sound effects recording and mixing in the field. Their PIX range of video recorders are used both on-camera and in the studio for file-based video recording. In this presentation Sound Devices will provide an overview of techniques and tools used in production sound for television and film.



Dutch treat dinner at 5:30 pm
Chipotle Mexican Grill
8422 Old Sauk Road
Madison, WI

Meeting and program at 7:00 pm
Sound Devices
1111 Deming Way
Madison, WI

Visitors and guests are welcome!

Nominations Committee

This year the SBE Chapter 24 Nominations Committee consists of Pete Deets (WMTV), Bob Dischler (UW CommArts), and Leonard Charles, (retired).

Nominations are now open for this year's elections. If you wish to run you only need to be a member in good standing. Or you may nominate another member in good standing. In either case, please contact Pete, Bob, or Leonard with that nomination. In the case of a blind nomination the committee will seek consent to run from the nominee.

Elections will be held during the month of April with the results announced in the *May Newsletter* and at the May Chapter meeting. While paper ballots will be made available in the *April Newsletter*, it is preferred that you vote electronically on the Chapter web site. There will ample notice when the actual voting process is open.



Coming Up

Thurs., Apr. 26 Elections / NAB Wrap-Up
WMTV Studio



In this Issue

Meeting Minutes.....	2
Amateur Radio News.....	3
Certification News.....	4
Chapter 24 Sustaining Members.....	5

Final Call for Volunteer

The Chapter 24 *Newsletter* is seeking a new Editor. Since 2009 our award winning newsletter has been edited by Paul Stoffel. Paul has retired and has asked to step down as the editor. That means the Chapter is in need of a volunteer to take over the editor duties. Editing software, with templates, is provided by the Chapter and training is available. Absent a volunteer, the Chapter will likely move into a future without a newsletter. Please consider it if you have the time and desire to serve.



Membership Drive 2018

Help your colleagues develop their professional careers: 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, 2018, and you will be eligible for the prize drawings. For each approved new member application you sponsor you will earn \$5 off your 2019 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, 2018, to be eligible. Drawing for all prizes will be completed by June 26, 2018.



Chapter Contacts

Chair

Richard Wood
Resonant Results
W: 608-839-3950
rwoodsky@frontier.net

Vice-Chair

Clifford Groth
NRG Media
(608) 751-2663
clifgroth@gmail.com

Secretary

Mike Norton, CSTE, CBNE
ECB, Wisconsin Public Broadcasting
W: 608-264-9807
mnorton@ecb.org

Treasurer

Roy Henn
Chief Engineer - WIFS
(608) 535-9504
royhenn@gmail.com

Past-Chair

Kevin Ruppert, CPBE, CBNT
W: 608-271-4321
kruppert@wisctv.com

Committee Appointees

Program Committee

*Volunteer to chair
the program committee!*

Membership / Newsletter Editor

Paul Stoffel, CPBE (retired)
608-358-5351
pgstoffel@gmail.com

Sustaining Membership

Fred Sperry, CPBE
608-264-9806
fred.sperry@ecb.org

Certification & Education

Jim Hermanson, CPBE, CBNT
services@jimhermanson.com

Frequency Coordination

Tom Smith, CPBE
608-837-2729
smithtc100@hotmail.com

Webmaster

Leonard Charles, CPBE
lcharles44@gmail.com

Visit sbe24.org



Meeting Minutes

from the February 2018 Business Meeting

Chapter 24 of the Society of Broadcast Engineers held its monthly meeting on Thursday, February 22, 2018, at the WOLX-FM/Entercom studios in Madison. There were 10 members present, including 7 who were certified.

Chapter Vice-Chair Clif Groth called the meeting to order at 7:00pm. There were no additions or changes to the published January meeting minutes, and they were approved on a motion by Leonard Charles and a second by Kevin Ruppert.

There was no treasurer, *Newsletter*, frequency coordination, or sustaining membership reports presented.

The next meeting and program will be on Wednesday, March 28, and will consist of officer nominations and audio/video recording on location. It will occur at the Madison office of Sound Devices. The April 26 meeting will bring elections and the annual NAB Wrap Up. Looking further ahead, the May gathering is planned to be about Flywheel UPS systems, and Kevin Ruppert offered to host the meeting/program at WISC-TV.

There was a discussion of how well a webinar worked for a program, with a consensus that it was well received.

Jim Hermanson gave a Certification and Education update, and reported one new certification and one recertification. The next certification exam opportunity will be at the NAB Show in Las Vegas, with an application deadline of March 2. The next local exam window is June 1-11, with an application deadline of April 20.

Leonard Charles relayed the National report, and mentioned the SBE membership renewal deadline is April 1. Renewal notices should have been received in the mail, and online renewal is also available at the National SBE web site. The SBE is again offering a Leadership Development Course in Atlanta, GA, on August 7 – 9; see the National web site for details and to register. Module 2 of the Broadcast Infrastructure Cybersecurity webinar titled “Understanding the Firewall” is scheduled for February 27. Wayne Pecena, of Texas A&M University is the presenter. For those attending the NAB Show, the SBE has published a list of official events on the National web site, with most events open to all SBE members.

Nominations for Chapter officers are now open, with Leonard Charles, Bob Dischler, and Pete Deets serving on the nominating committee. The current slate of officers are eligible for re-election and are willing to be re-nominated. Any other interested parties are encouraged to contact any of the committee members.

In old business Leonard Charles has researched ramification of ending a formal newsletter, and much discussion followed. By consensus, further research and discussion will be pursued but action should wait until after Chapter elections.

In professional announcements Vicki Kipp offered congratulations to Jim Hermanson on attaining SBE Lifetime Membership status.

The meeting was adjourned at 7:20pm on a motion by Leonard Charles and a second by Bob Dischler.

The program was presented by Chris Tarr of WOLX-FM, and covered FM-IBOC, audio over IP, and leveraging IP for remote site management..

Submitted by Pete Deets, acting secretary



Amateur Radio News

compiled by Tom Weeden, WJ9H

• The American Radio Relay League has asked the FCC to expand HF privileges for Technician licensees to include limited phone privileges on 75, 40, and 15 meters, plus RTTY (radioteletype) and digital mode privileges on 80, 40, 15, and 10 meters. The FCC has not yet invited public comment on the proposals, which stem from recommendations put forth by the ARRL Board of Directors' Entry-Level License Committee, which explored various initiatives and gauged member opinions in 2016 and 2017.

"This action will enhance the available license operating privileges in what has become the principal entry-level license class in the Amateur Service," ARRL said in its Petition. "It will attract more newcomers to Amateur Radio, it will result in increased retention of licensees who hold Technician Class licenses, and it will provide an improved incentive for entry-level licensees to increase technical self-training and pursue higher license class achievement and development of communications skills."

Specifically, ARRL proposes to provide Technician licensees, present and future, with phone privileges at 3.900 to 4.000 MHz, 7.225 to 7.300 MHz, and 21.350 to 21.450 MHz, plus RTTY and digital privileges in current Technician allocations on 80, 40, 15, and 10 meters. The ARRL petition points out the explosion in popularity of various digital modes over the past 2 decades. Under the ARRL plan, the maximum HF power level for Technician operators would remain at 200 W peak envelope power (PEP). The few remaining Novice licensees would gain no new privileges under the League's proposal.

ARRL said its proposal is critical to developing improved operating skills, increasing emergency communication participation, improving technical self-training, and boosting overall growth in the Amateur Service, which has remained nearly inert at about 1% per year.

ARRL's petition points to the need for compelling incentives not only to

become a radio amateur in the first place, but then to upgrade and further develop skills. Demographic and technological changes call for a "periodic rebalancing" between those two objectives, the League maintains.

"There has not been such a rebalancing in many years," ARRL said in its petition. "It is time to do that now." The FCC has not assessed entry-level operating privileges since 2005.

• Two ham-astronauts were among three members of the International Space Station (ISS) Expedition 54 crew returning to Earth on February 27 after about 6 months in space. Astronauts Mark Vande Hei, KG5GNP, and Joe Acaba, KE5DAR, landed in Kazakhstan in a Soyuz spacecraft, along with cosmonaut Alexander Misurkin.

Their time on station marked the beginning of the first long-term increase in crew size on the US segment, enabling NASA to double the time dedicated to science. Research highlights included investigations into the manufacturing of fiber optic filaments in microgravity and measuring the Sun's energy input to Earth.

Vande Hei logged 168 days in space on his first mission and conducted four spacewalks. Acaba completed one spacewalk and has now accrued 306 days in space on three missions. Both participated in Amateur Radio on the International Space Station (ARISS) school contacts and other educational events.

Now operating the station are Expedition 55 Commander Anton Shkapterov and Flight Engineers Scott Tingle, KG5NZA, and Norishige Kanai. Astronauts Ricky Arnold, KE5DAU, and Drew Feustel and cosmonaut Oleg Artemyev head to the ISS on March 21.

(Excerpts from the American Radio Relay League's <arrl.org> web site)



alphavideo
BROADCAST SYSTEMS GROUP

Bryan Nelson
System Sales Executive

7690 Golden Triangle Drive
Eden Prairie, MN 55344

Direct: 952.841.3304
Mobile: 612.819.7213

twitter: @alphavideoaudio
facebook.com/alphavideo

bryan.nelson@alphavideo.com
www.alphavideo.com

FOX 47
WMSN - MADISON

7847 BIG SKY DRIVE
MADISON, WISCONSIN 53719
(608) 833-0047 • FAX (608) 833-5055

BELDEN
SENDING ALL THE RIGHT SIGNALS

John C. Purvey
Regional Sales Engineer
Broadcast & AV Solutions

John.Purvey@Belden.com
www.belden.com

447 Hampshire Lane
Crystal Lake, IL 60014
DIRECT: 815.441.5298

HVS Heartland Video Systems

Heartland Video Systems, Inc.

1442 Pilgrim Road
Plymouth, WI 53073
Tel (800) 332-7088
(920) 893-4204
Fax (920) 893-3106
mbart@hvs-inc.com
www.hvs-inc.com
www.hvs-dtv.com

Mark Bartolotta

DIGITAL SOLUTIONS
Broadcast/Professional

SCOTT L. MINK
OWNER

THE MINK COMPANY
AV, IT & MEDIA STAFFING SOLUTIONS

520 HANK'S HOLLOW TRAIL
DEFOREST, WI 53532

CELL 608-217-4030
OFFICE 608-842-0558
SCOTT@THEMINKCORP.COM
WWW.THEMINKCORP.COM

Brian Stumpf
Regional Sales Manager
North Central USA

office 608-798-9578
mobile 608-345-2544
email bstumpf@rossvideo.com

1266 Gils Way
Cross Plains, WI
53528

President's Club

ROSS
Production Technology Experts

SOUND DEVICES

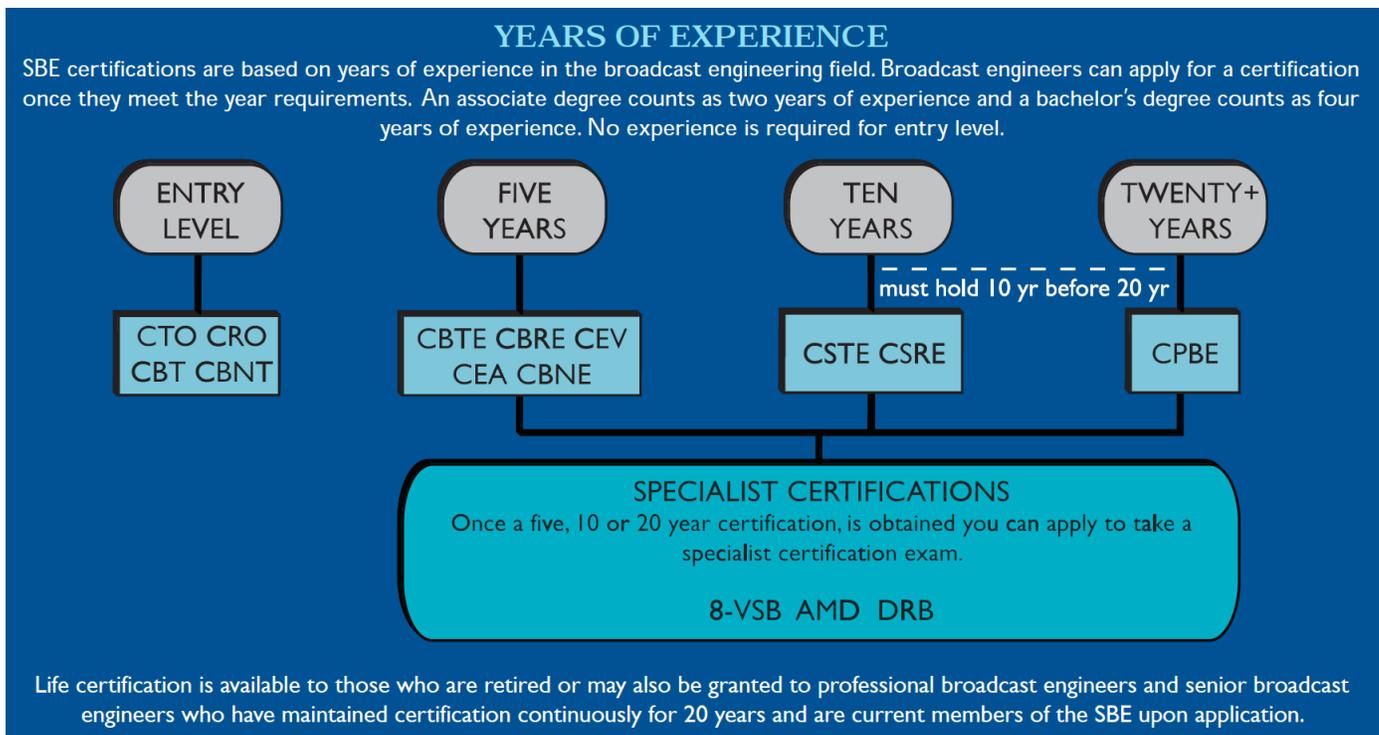
Portable, Professional Audio

Sound Devices, LLC
E7556 State Rd. 23/33
P.O. Box 576
Reedsburg, Wisconsin 53959
www.sounddevices.com
Phone: (608) 524-0625
Fax: (608) 524-0655

SBE Chapter 24 Certification and Education News

The Open 2018 Exam Schedule

Exam Dates	Location	Application Deadline (to SBE National Office)
June 1-11, 2018	Local Chapters (Madison Area)	April 20, 2018
August 3-13, 2018	Local Chapters (Madison Area)	June 5, 2018
November 2-12, 2018	Local Chapters (Madison Area)	September 24, 2018



When you are ready to take an SBE exam, please fill out the appropriate application and send it into the SBE National office (see address below). You will be notified once your application has been approved. Approximately 3 weeks before the exam time, your local certification chairman will receive a list of applicants in his/her area. He/she will then contact those applicants to schedule a date, time and place for the exams. The exams will be mailed back to the National office for grading. The pass/fail grades will then be mailed directly to the applicants.

You may mail, email or fax your applications to:

Megan E. Clappe
Certification Director
9102 N. Meridian St. Suite 150
Indianapolis, IN 46260
317-846-9120 Fax
mclappe@sbe.org



Edited using
Adobe InDesign CC 2018
Paul Stoffel
Chapter 24
Newsletter Editor



5201 Femrite Drive
Madison, WI 53718
p 608.221.8888 f 608.221.9252
w avisystems.com

Tom Sibenaller
Senior Account Manager

e tom.sibenaller@avisystems.com
d 608.807.1860 c 608.386.2611

Antenna System Specialist

TV
FM
AM



Troubleshooting
Sweep Testing
Infrared Testing

www.ResonantResults.com
Richard Wood (608)839-3950



WMTV
MADISON

615 Forward Drive
Madison, WI 53711
608-274-1515
www.nbc15.com



5727 Tokay Boulevard
Madison, Wisconsin 53719

(608) 274-1234
Fax: (608) 274-9514

Token Creek
MOBILE TELEVISION

John Salzwedel
President

501 Moravian Valley Road, Waunakee, Wisconsin 53597
Phone: (608) 849-4965 Fax: (608) 849-4035 Cell: (608) 235-9632
Web Page: www.tokencreek.com E-Mail: john@tokencreek.com



Shane Collins
Clark Wire & Cable Sales
Unit A
408 Washington Blvd
Mundelein, IL 60060-4401
(800) CABLE-IT
(847) 949-9944
Fax: (847) 949-9595
e-mail: sales@clarkwire.com
www.clarkwire.com

CLARK
WIRE & CABLE




The Association for Broadcast and
Multimedia Technology Professionals



Society of Broadcast Engineers



Thanks to Leonard Charles
for maintaining
the Chapter 24 web site.
www.sbe24.org



Christopher Annella
6633 W. Howard St.
Niles, Illinois 60714-3305

Phone: 847-588-3800
800-323-5925
Fax: 847-588-3300
800-446-8366
Cell: 847-501-1584
chrisa@josephelectronics.com

Broadcasters: One Stop Shopping
Connecting Quality,
Experience and Value
www.josephelectronics.com



8001 TERRACE AVE. | MIDDLETON, WI 53562
p: 608.831.7330 | f: 608.831.6330
order line: 800.356.5844
fullcompass.com

KEVIN PECKHAM
Product Manager
Ext. 1356
peckham@fullcompass.com

PRO AUDIO VIDEO A/V LIGHTING



**CHAPTER 24
SUSTAINING
MEMBERS**

Recent Renewal:
AVI Systems

**Thanks to all our
Sustaining Members:**

- Alpha Video
- Belden, Inc.
- Clark Wire and Cable
- Full Compass Systems
- Heartland Video Systems
- Joseph Electronics
- The Mink Company
- Resonant Results, Ltd.
- Ross Video
- Sound Devices, LLC
- Token Creek Productions
- WISC-TV 3
- WMTV-TV 15
- WKOW-TV 27
- WMSN-TV 47

© 2018 by SBE Chapter 24, Inc. Views expressed herein do not necessarily reflect the official positions of the Society, its officers, or its members. SBE Chapter 24, Inc. regrets, but is not liable for, any omissions or errors. The Chapter 24 Newsletter is published twelve times per year. Other SBE Chapters are permitted to use excerpts if attributed to the original author, sources, and SBE Chapter 24.