Lopez re-elected SBE President

Vincent Lopez, CEV, CBNT has been elected to a second one-year term as president of the Society of Broadcast Engineers. Lopez is the Director of Engineering for WSYT WNYS TV, Sinclair Broadcast Group, in Syracuse, N.Y.

Ballots were tabulated on the evening of August 26 by a Board of Tellers consisting of members of Chapter 25 in Indianapolis. Lopez’ second term will begin on October 27, during the SBE Annual Membership Meeting held as a part of the SBE National Meeting in Madison, Wis. Lopez was unopposed in his candidacy as were the other three officers, all of whom were re-elected.

Re-elected to a second term as vice president was Ralph Hogan, CPBE, DRB, CBNT, Director of Engineering at KJZZ-FM/KBAQ-FM in Tempe, Ariz. Elected to a fourth term as Secretary was Ted Hand, CPBE, 8-VSB, AMD. Re-elected to a second term as treasurer was Andrea B. Cummis, CBT, CTO.

2010 SBE National Meeting returns to Madison

The 2010 SBE National Meeting will be held on October 26-27 at the Marriott Madison West Hotel, located in Middleton, Wis. The meeting will be hosted by Chapter 24 of Madison, Wis. and held in conjunction with the Wisconsin Broadcasters Clinic, held October 26-28, sponsored by the Wisconsin Broadcasters Association (WBA) and SBE Chapter 24.

The Clinic is one of the longest running broadcast engineering conferences in the United States. It includes technical papers and panel presentations over all three days and an equipment trade show on the first two days. Registration and more information may be made by going to the WBA website, www.wi-broadcasters.org and clicking on “Broadcasters Clinic.” Chapter 24, the WBA and SBE invite any and all SBE members and others interested in broadcast technology to attend.

See ELECTION RESULTS on page 12

See NATIONAL on page 11
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The best industry resources are available to SBE members for up to 20% off the retail price. Visit the SBE Bookstore online at www.sbe.org/edu_books.php

The SBE Bookstore offers several references suggested for SBE certification exam preparation, including:

Communications Systems and Networks, 3rd Edition
Ray Horak
This book describes how the merging of voice and data networks has evolved and is likely to evolve as we move toward an information-based economy.
Member Price: $67.50
Non-Member Price: $75.00

Glen M. Ballou
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**SBE to help produce NAB Broadcast Engineering Conference**

The Society of Broadcast Engineers will again work closely with the National Association of Broadcasters as its production partner for the NAB Broadcast Engineering Conference (BEC) to be held at the 2011 NAB Show in Las Vegas. The annual event, the largest media show in the world, will be held from April 9-14, 2011.

SBE and the Ennes Educational Foundation Trust will present a full day Ennes Workshop to kick off the BEC on Saturday, April 9. The Workshop will primarily cover broadcast plant infrastructure. Long time SBE member, Fred Baumgartner, CBNT, who serves as a trustee of the Ennes Trust, is organizing the Workshop program. A complete description of the topics and speakers who will present during the Ennes Workshop will be available at the SBE and NAB websites.

The BEC will continue Sunday through Thursday with dozens of technical presentations, case studies and panels. NAB’s Call for Papers deadline is October 22. A nine day conference program, which precede the PBS and NPR engineering conferences, which precede the NAB Show in Las Vegas, will have the opportunity to attend the Ennes Workshop as the final day of their respective technical conferences. Attendance at the Ennes Workshop during the BEC requires a full NAB conference registration. Hotel, registration and fee information will be available soon at the NAB website, www.nab.org.

SBE’s other activities during the 2011 NAB Show will include an exhibit booth, board of directors meeting, certification committee meeting and membership meeting.

**Question: CSMA/CA**

A. Stands for carrier sense, multiple access, collision avoidance
B. Involves RTS, CTS and ACK
C. Is utilized in IEEE 802.11
D. Is essentially identical to CSMA/CD
E. All of the above except D

answer on page 9

**SIGNAL is published bimonthly by the Society of Broadcast Engineers, Inc., 9102 North Meridian Street, Suite 150, Indianapolis, IN 46260. Questions/comments regarding editorial content, or design should be referred to Holly Essex at (317) 846-9000 or hessex@sbe.org. For advertising, contact Debbie Hennessy at dhennessey@sbe.org. SBE is a registered trademark of the Society of Broadcast Engineers.**
Well, another year has gone by and another SBE election has concluded. I want to take some time to thank the outgoing directors for their service and welcome our newest directors elected by you on August 26th. The changes to the Board take affect on October 27th.

Going off the board of directors after serving one, two year term will be Mark Simpson, CPBE, AMD, CBNT of Tucson, Ariz. Mark was most recently the chair of the IT Strategies Committee and has chaired the Awards Committee as well. Also leaving us is three-term board member, Jim Bernier, CPBE, CBNT of Atlanta Ga. Jim has been chairman of the Certification Committee for the past five years. He also has chaired the IT Strategies Committee. Jim had also done a previous stint on the board of directors, having served from 1994 to 1997. We wish both our departing directors well, and thank them for their service on the board.

We also want to take the opportunity to welcome our two newest directors to the board. Gary Kline is vice president of engineering and IT for Cumulus Media. With responsibilities for over 360 radio stations in 67 cities, he brings a wealth of knowledge to the SBE board of directors. We also welcome Tim Anderson to the SBE Board. Tim is currently Manager, Radio Market and Product Development for the Harris Corp. Broadcast Communications Division. Tim has been a broadcast engineer for 34 years, working for iBiquity and Avid before joining Harris. Thanks to both of these men for volunteering to help shape your society for the next two years.

I have been running a contest to see how observant you are. I asked for the common theme of the titles of all my Signal articles since I became president. We have our winners in the contest, but first the answer to the contest was that all of the titles of my articles were also titles of MASH episodes. Congratulations to the three winners randomly selected from all correct entries: Walt Gradzki, CPBE of Chapter 18, Jonathon Solomon, CBNT of Chapter 132, and Paul Stoffel, CPBE of Chapter 24. The national office will be in touch with each of you regarding your prize; a free copy of SBE CertPreview for the SBE certification exam of your choice. Thanks to all who participated, and look for more little contests in the upcoming months.

Summer is over, and fall is upon us. With each fall we look to cooler weather, fresh apples right off the trees and SBE fall regional conventions. There are two fall regional events I want to point out to you starting early in October. The 2010 Broadcast & Technology Expo in Verona N.Y., presented by SBE Chapter 22, and the Broadcasters Clinic in Madison Wis., held at the Marriott Madison West Hotel in Middleton, Wis. from October 26th-28th, has a rich 50+ year history of service to the engineering community in the Midwest. It is also the site of the 2010 SBE National Meeting and Awards Dinner. The Clinic is a three-day event with radio oriented sessions on the first day, topics of general interest on the second day and TV oriented topics are on day three. There is also an exhibit floor with dedicated exhibit hours. For more information on the Broadcasters Clinic, visit http://www.wi-broadcasters.org.

Time to get on the soapbox folks. If you are within a reasonable distance from either of these conventions, I encourage you to attend. The chapters and members who organize these events do a tremendous job providing a valuable educational experience for all attendees, and the best way for you to show your gratitude to them is to attend. Continued strong attendance at these events translates into their continuation for years to come and provides you, the member, with another important benefit. (stepping off the soapbox now)

That's going to about do it for this month. Hope to see you in Verona or Madison!
Speaking words of wisdom, Let it be

by Chris Imlay, CBT®
SBE General Counsel

have had the great fortune to work with a guy almost daily for the past 30 years who is pretty much the smartest person I know. He prefers to remain anonymous so I won’t identify him. He is not in the broadcasting industry, but he made an observation recently that really struck me as unusually insightful, even for him. This relates somewhat to my column in the last Signal, about the broadband spectrum grab of television broadcast channels. I asked my colleague recently if I could share it with the SBE members and he kindly agreed. He said:

“I can’t resist noting the irony; Broadcast spectrum uses a bit stream to deliver content simultaneously to thousands of viewers. One reason why there is a high demand for wireless broadband spectrum is because of the demand for video streaming, which requires a separate bit stream to each subscriber. So, Congress is considering taking a step to encourage replacing an efficient content delivery system that delivers content to the public free of charge with an inefficient one that the public has to pay for.”

Profound? Yeah, buddy. Yet such an articulate point is seemingly lost on the policymakers in Congress and at the FCC, who are tripping over themselves to facilitate the conversion of broadcast television spectrum to mobile broadband uses. Take for example H.R. 5947, the “Voluntary Incentive Auctions Act of 2010.” This Bill was introduced very late in this session of Congress, which will end very shortly. It was introduced by Rep. Rick Boucher (D-VA), the Chairman of the House Communications, Technology and the Internet Subcommittee, and Rep. Cliff Stearns (R-FL), the ranking member of that Subcommittee. Briefly, this Bill will permit the FCC to conduct incentive-based spectrum auctions on a voluntary basis. It gives FCC the authority to conduct voluntary auctions in which the revenue generated by the auction is shared with the (former) licensees that have voluntarily relinquished their spectrum. It also ensures that the Commission cannot reclaim spectrum on an involuntary basis. Under this Bill, the spectrum released by the licensee could be auctioned for licensed or unlicensed uses. The FCC would, under this Bill, have the discretion to determine the amount or percentage of auction proceeds that will be given to a licensee that voluntarily relinquishes its spectrum.

The FCC would have a year after enactment of the Bill to come up with rules to implement the voluntary incentive auction revenue sharing plan. The Bill is very careful to not allow the FCC to reclaim frequencies of broadcast licensees or any other licensees, directly or indirectly on an involuntary basis for the purpose of conducting an incentive auction. Now this last provision is interesting. It would seem to limit FCC’s ability to reallocate spectrum that is in the hands of any licensee in any radio service for auction purposes. That would seem to include not only broadcast main channel licensees, but Part 74 broadcast auxiliary licensees, Part 80, 87, 90, some Part 95, and all part 97 spectrum as well. So maybe the Bill has some redeeming qualities after all. In all likelihood, because there is something of a stalemate between the majority and the minority lately on FCC-related legislation, this Bill will die when this legislative session is over, which will be relatively soon. But surely some identical or very similar legislation will be reintroduced early in January 2011.

Another potential victim of the infighting between the majority and the minority in Congress on FCC-related legislation is the FCC Commissioners’ Technical Resource Enhancement Act, S.2881 and H.R. 4809. While neither the majority nor the minority in the House has any concern with the House version of the Bill, and although the Senate reported the Senate Bill out of Committee on August 5 with a favorable recommendation that the Bill should pass, apparently it won’t. This is because there is some other “FCC Reform” type legislation that each party has and is promoting. Since neither can agree to include the other side’s bills in a package of FCC reform legislation, nothing gets to pass, including H.R. 4809 (which is caught in the crossfire). While this is frustrating (to say the least), if SBE’s legislation does not pass this term, we will work toward having it reintroduced early in the next session, which starts in January, and take it from there. Control of the House and Senate is unknown as of this writing, and a change in either or both could have some effect on what gets introduced in January, but these Bills have broad bipartisan support and so we are hoping for the best. We did make good progress this time, and so we are hoping that selling the concept of Engineers in the Commissioners’ offices will be even easier than it was this session.

So much for what is not happening. What is happening is that the FCC has proposed to permit fixed service point-to-point microwave facilities in the 7 and 13 GHz bands. FCC issued a Notice of Proposed Rule Making and Notice of Inquiry on August 5 in Docket 10-153. It wants to increase the amount of Fixed Service microwave spectrum to permit broadband wireless backhaul, for example. FCC said that the 2 GHz band, just now finished with repacking, would not be suitable for
It's been almost ten years since the SBE Certification Committee rolled out the Certified Broadcast Networking Technologist level. It has become one of the most popular certification levels. That's really no surprise to those of us on the Certification Committee who helped develop it. We saw the emergence of computer networking within a broadcast facility and sought to find a way to help broadcast engineers meet the new challenges associated with computer networking.

It was a two prong approach. First was the development of the certification level itself. We decided that it would be a stand-alone certification, that is to say that an individual could make application and take the exam without holding any other SBE certification. An applicant would still need to be involved within the broadcast industry or allied fields in order to be eligible.

The second element was developed by Terry Baun, CPBE, CBNT. Terry wrote and presented a class on broadcast networking and the implementation of both computer systems and their networking. Terry presented this class many times in many different cities in the United States. After the class, participants had the opportunity to sit for the CBNT exam. And most were able to pass the exam, which really should not have been too surprising since Terry was one of the authors of the CBNT exam question pool.

Much of the material that was covered in those early days are considered rudimentary by today's broadcast networking requirements. As more and more equipment within a broadcast facility has integrated network interfaces for either control and/or media/data distribution, the networks themselves have become more and more complex. The added concerns about network security for either the protection of assets or maintaining the integrity of the computer network itself, have taken the skills required for a broadcast engineer to maintain such systems beyond the skill set which CBNT was intended to review.

At the NAB 2010 meeting of the SBE Certification Committee, it was decided that a new certification level needed to be developed to meet this new challenge.

Certified Broadcast Networking Engineer is expected to be introduced for 2011. It will be equivalent to a five year certification level, such as CBRE or CBTE. It is expected that applicants will already have the basic competencies tested with the CBNT exam.

Certified Broadcast Networking Engineer will delve into deeper networking and IT issues such as firewalls, DNS, DHCP, VLANS, NAT, routing tables, SAN, NAS, cloud computing and more which are permeating the broadcast technical environment and which broadcast engineers are being required to understand more and more.

It was decided not to offer this as a “specialist” certification level so that it could be a stand-alone certification level as the current CBNT is, if the applicant so desired. Also, since we are hoping to appeal to an emerging segment of engineers within the broadcast community, it would allow an IT professional working within broadcasting to achieve a certification level sponsored by the SBE and be engaged into becoming more deeply involved in the broadcast engineering aspects.

A test rollout of this new certification level is expected to be conducted late this year with a full introduction ready for the early part of 2011.
Congratulations:

Certified Senior Broadcast Engineers® and Certified Senior Broadcast Engineers® who have maintained SBE certification continuously for 20 years and are current members of SBE may be granted Life Certification if so requested. All certified who have retired from regular full-time employment may be granted Life Certification if they so request. If the request is approved, the person will continue in his/her current level of certification for life.

Certified Professional Broadcast Engineers® (CPBE®)

Tann Anderson, Spokane, WA – Chapter 21
James Borgioli, Indianapolis, IN – Chapter 25
Ronald Crockett, Garden Ridge, TX – Chapter 69
John Franz, Henderson, NV – Chapter 128
David Garner, Rockville, MD – Chapter 37
Carl Gluck, Burke, VA – Chapter 37
Martin Hadfield, Portland, OR – Chapter 16
James Hartline, Kennesaw, GA – Chapter 113
James Leedtham, Omaha, NE – Chapter 74
Philip Mikalofsky, Phoenix, AZ – Chapter 24
George Parson, Canton, CT – Chapter 14
James Perry, Schenkenville, PA – Chapter 18
Arthur Rose, Silver Spring, MD – Chapter 57
David Shaffer, Broken Arrow, OK – Chapter 56
Arthur Smith, III, Round Rock, TX – Chapter 70
Theodore Srnuelis, Barkhamsted, CT – Chapter 14
W. Lavoughan Thompson, Forresta, GA – Chapter 5
Ernest Watts, Jr., Atlanta, GA – Chapter 5

Certified Senior Radio Engineer® (CSRE®)

Keneth Sleeman, Rockville, MD – Chapter 37

Certified Senior Television Engineer® (CSTE®)

Darrin Tebbe, Fayetteville, GA – Chapter 5

Certified Broadcast Networking Technologist® (CBNT®)

Dennis Baldwin, Hillsboro, WI – Chapter 24

Certified Senior Radio Engineer® (CSRE®)

Kenneth Sleeman, Rockville, MD – Chapter 37

Certified Senior Television Engineer® (CSTE®)

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Dennis Baldwin, Hillsboro, WI – Chapter 24
James Leedtham, Omaha, NE – Chapter 74
George Parson, Canton, CT – Chapter 14
James Perry, Schenkenville, PA – Chapter 18
Kenneth Sleeman, Rockville, MD – Chapter 37
Arthur Smith, III, Round Rock, TX – Chapter 70

Newly Certified CPBE®

Applicant must have had 20 years of professional broadcast engineering or related technologies experience in radio and/or television. The candidate must be currently certified on the Certified Senior Broadcast Engineer® level.

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Charles Dub, East Longmeadow, MA – Chapter 14
Mickel Pruden, Woodland, NC – Chapter 54
Laurence Wood, Berkeley, CA – Chapter 40

Certified Professional Broadcast Engineer® (CPBE®)

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James Borgioli, Indianapolis, IN – Chapter 25
Ronald Crockett, Garden Ridge, TX – Chapter 69
John Franz, Henderson, NV – Chapter 128
David Garner, Rockville, MD – Chapter 37
Carl Gluck, Burke, VA – Chapter 37
Martin Hadfield, Portland, OR – Chapter 16
James Hartline, Kennesaw, GA – Chapter 113
James Leedtham, Omaha, NE – Chapter 74
Philip Mikalofsky, Phoenix, AZ – Chapter 24
George Parson, Canton, CT – Chapter 14
James Perry, Schenkenville, PA – Chapter 18
Arthur Rose, Silver Spring, MD – Chapter 57
David Shaffer, Broken Arrow, OK – Chapter 56
Arthur Smith, III, Round Rock, TX – Chapter 70
Theodore Srnuelis, Barkhamsted, CT – Chapter 14
W. Lavoughan Thompson, Forresta, GA – Chapter 5
Ernest Watts, Jr., Atlanta, GA – Chapter 5

Certified Professional Broadcast Engineer® (CPBE®) 8-VSB Specialist™ (8-VSB®)

James Dalke, Bellevue, WA – Chapter 16

August Exams

“Thank You” CHAPTER CERTIFICATION CHAIRS FOR YOUR ASSISTANCE

Certified Broadcast Television Engineer® (CBTE®)

Margaret Avener, Philadelphia, PA – Chapter 18
Van Graet, Anchorage, AK – Chapter 89
Daniel Guryntsky, Buffalo, NY – Chapter 133
Paul Jonak, Riverside, CA – Chapter 131

Certified Broadcast Television Technician® (CBTT®)

Rafael Agüillón, Murrieta, CA – Chapter 131
Michael Echenique, Moreno Valley, CA – Chapter 131
James Kelly, Vancouver, WA – Chapter 124
Kurt Lundblad, Soda Springs, CA – Chapter 40
Daniel Wheatly, Davis, CA – Chapter 96

Certified Audio Engineer® (CEA®)

Jonathan Abrams, Jersey City, NJ – Chapter 15
Daniel Hodd, Brooklyn, NY – Chapter 15
Carl Swanson, Santa Clarita, CA – Chapter 47

Certified Video Engineer® (CVE®)

Mark Long, Nicken Park, OK – Chapter 85

S-VSB Specialist™ (S-VSB®)

Paul Jonak, Riverside, CA – Chapter 131
Brien Laufer, Torrance, CA – Chapter 47

Certified Broadcast Networking Technologist® (CBNT®)

Donald Boher, El Paso, TX – Chapter 38
Joseph Carter, Arlington, TX – Chapter 67
Chris Domhoun, Henderson, NV – Chapter 128
Glen Cass, Jr., Chattanooga, TN – Chapter 5
William Jackson, Decatur, GA – Chapter 54
Derick Van Bijniewijk, Baldwin Spa, NY – Chapter 56

Certified Professional Broadcast Engineer® (CPBE®) Digital Radio Broadcasting Specialist™ (DBBS™)

Roger Bishop, Indianapolis, IN – Chapter 25
John Chestnut, Gran Valley, MO – Chapter 59
Joseph Geerling, Florence, MO – Chapter 55
David Oley, Billings, MT – Chapter 48

Certified Professional Broadcast Engineer® (CPBE®) Digital Radio Broadcasting Specialist™ (DBBS™)

Robert McCormick, Chicopee, MA – Chapter 11

Certified Senior Radio Engineer® (CSRE®)

Joseph Geerling, Florissant, MO – Chapter 55

Certified Broadcast Operator® (CRO®)

Mark Chiolis, Burbank, CA – Chapter 47

2010-11 SBE Certification Exam Schedule

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2010 SBE Leadership Development Course

The 2010 Leadership Development Course was held in Atlanta, Ga., August 3-5 with a record number of 25 students representing nine companies. The course was very well received by all, as demonstrated by the verbal and written feedback. Everyone who took the course said they would recommend this program. One student said the course was “a class every manager should attend!” SBE is particularly grateful to Rodney Vandeveer, the course instructor, for making the course fun, challenging and valuable to attendees.

The mostly highly regarded session in this three day intensive course was the session on the C.A.P.S. Model, which identifies four quadrants, or categories of people: Controllers, Analyzers, Promoters and Supporters. Each category defines typical characteristics that people exhibit on the job and at home. The students took time to identify which type they were, and then embarked on several exercises to better understand how to best respond to each type of person in their daily work. This session involved much “discussion of the importance of all styles and the need for flexibility and balance,” as one student put it. Another engineer noted, “It helped me figure out my individual strengths and weaknesses.

Plans are under way for next year’s course. If you think there is interest in bringing the 2011 SBE Leadership Development Course to your area, contact Kimberly Kissel at the National Office. SBE is again considering early August to offer the course.

It’s time to check out SBE University

By now you have probably heard of one of SBE’s education programs called SBE University. SBE University is made up of online self-study courses where you pick the date, time and location to learn. SBE is doing the hard work by identifying topics and experts to develop the courses. Now it’s up to you to sign up for one of seven courses currently available, including Computer Networking for Broadcast Engineers, AM Antenna Systems, AM Antenna Computer Modeling, Voice Telco Networks & Studio Interface Systems, 8-VSB, FM Transmission Systems and Matching Networks & Phasing. In addition, a new course on audio processing is about to be released. It’s never been a better time to check out the continuing education you can complete when it’s convenient for you! SBE University is just one more way for the broadcast engineering professional to get the education needed to succeed. For more information on SBE University, visit our website at http://www.sbe.org/SBEUniversity.php.

Webinars by SBE

FCC Self Inspection Checklist - November 18

The FCC publishes a self-inspection checklist for TV and radio stations to help them ascertain their level of compliance with the FCC rules and regulations. An affirmative response to all 100+ questions in the list implies substantial compliance. This webinar covers the purpose, scope and limitations of the self inspection checklist. It also addresses the technical and non-technical aspects, as well as the public inspection file, antenna structures, the Emergency Alert System and more. The cost for SBE Members to attend this webinar is $39 and $55 for non-members.

Why should you attend? Participants will benefit by having the ability to verify substantial compliance with the FCC Rules and Regulations for the Radio and TV stations they serve, making them better equipped to serve the facilities. Dennis Baldridge, CPBE, AMD, 8-VSB, DRB, CBNT, is instructing this course. Dennis has been working in the field of broadcasting for over 30 years and is a Senior Member of the SBE. He has been associated with the Alternate Inspection Program of the Wisconsin Broadcasters Association for the past four years.

MARK YOUR CALENDAR

October 5-6 - SBE Chapter 22 Expo
Where: Turning Stone Resort & Casino, Verona, N.Y.
Registration: www.sbe22expo.org/html/registration%20portal.htm
More Information: www.sbe22expo.org/

October 16 - San Diego, California Ennes Workshop
Hosted by SBE Chapter 36
Where: Doubletree Hotel San Diego Downtown, 1646 Front Street, San Diego, California 92101
Cost: SBE Members-$35/Non-Members-$45/Students-$25
More Information: www.sbe.org/ennes_workshops.php#SanDiego

October 20-22 - 60th Annual IEEE Broadcast Symposium
Where: Westin Hotel in Alexandria, VA
Registration: www.ieee.org/organizations/society/bt/

October 26-28 - SBE National Meeting
Hosted by Chapter 24, Madison, Wis., Held in conjunction with the Wisconsin Broadcasters Clinic.
Where: Madison Marriott West Hotel, Middleton, Wis.
More Information: www.sbe.org/pub_sc.php#NationalMeetingSite

November 10 - New England Ennes Workshop
Hosted by SBE Chapter 11, In conjunction with the New England Broadcast & Cable Expo
When: 9:00 a.m.-5:00 p.m.
Where: DCU Center, Worcester, MA
Cost: SBE Members - $25 / Non-Members - $35
www.sbe.org/ennes_workshops.php#Boston

November 18 - FCC Self-Inspection Checklist Webinar
More information coming soon
Ennes Trust scholarships awarded for 2010

The Ennes Educational Foundation Trust has awarded three scholarships for 2010. Winners were chosen from applications received by July 1, 2010 from the previous 12 months.

The Harold E. Ennes and Robert D. Greenberg scholarships are awarded to individuals interested in continuing or beginning their education in broadcast engineering and technology. The Youth Scholarship is specifically for a graduating high school senior interested in broadcast engineering as a career. Each scholarship awarded this year was for $1,500.

Harold E. Ennes Scholarship
Johnny Finley, from Tacoma, Wash., is a sophomore at Bates Technical College studying Broadcast/Video Production. Finley is currently participating in an internship as a cameraman and audio technician for the Tacoma Rainer’s minor league baseball team. He is also a volunteer camera operator and sound engineer for the youth department at the Champions Centre church in Tacoma. Finley will be using this scholarship towards his tuition and textbook expenses.

Robert Greenberg Scholarship
Jeffrey Edward Miller, CTO from Parma Heights, Ohio, is currently enrolled at Cuyahoga Community College (Tri-C) studying electrical engineering. He plans to use this scholarship for classes and books for the fall of 2010. While in high school, Miller was the audio engineer for the Parma Area Community Television of Parma High School. He also attended radio and television vocational classes at Normand High School.

Youth Scholarship
Michael Malec, from Oregonia, Ohio, is a graduate of Bishop Fenwick High School where he participated in the building, design and operations of the school’s radio station, WFXR. In the fall, Malec will be using this scholarship for his tuition at the University of Cincinnati where he will major in electrical engineering.

The Ennes Educational Foundation Trust is a non-profit, charitable organization dedicated to the education of current and future broadcast engineers. It provides scholarships, offers workshops and supports other projects that meet the Trust objectives of training broadcast engineers, as well as preparing a new generation for the field. The Ennes Scholarship Committee congratulates the above recipients and wishes them well in future endeavours.
Simple and efficient structure

by John L. Poray, CAE
SBE Executive Director

The SBE is structured in a somewhat unique way, as professional associations go. There is no rigid hierarchy of local, state and national organizations, each with their own dues structures and duplicative administrative functions. During my career in the non-profit association field, I’ve worked for several organizations that had such organizational structures. Though it was a serviceable enough system for them, it seemed to come with a more than necessary administrative burden at each level.

I think one of the strengths of the SBE has been our simple structure. When one joins the SBE, he or she joins the national organization and is placed in the local chapter of his or her choice. Dues are only paid once, at the national level. Though they are free to do so, the vast majority of SBE chapters do not assess any dues on local members and instead, generate the funds they need to run their chapter from other sources. For most chapters, those funding sources include sponsorships and newsletter or website advertising from local and regional vendors and sometimes area broadcast stations, providing the chapter with the added benefit of the involvement of these companies. The largest source of funding for many chapters is the annual rebate of dues from the national SBE organization.

This structure relieves the local chapter from having to collect local dues, keeping track of payments, follow-up, etc., all of which can be time consuming, especially so for volunteers who have full-time jobs. Instead, the national organization takes a portion of the dues collected each year and sends it to qualifying chapters which use the money to help run their operations.

Qualifying for a rebate is not difficult. A chapter must meet at least five times during the calendar year and send the National Office a simple report of what the program was about and who attended. This level of activity has been considered the minimum necessary for a chapter to be providing a quality program. In 2009, 72 chapters qualified and received rebates ranging from about $60 to almost $2,000; a total of more than $37,000.

Chapter Rebates are based on the number of members in a chapter that pay the full $63 membership dues amount. For each member the chapter has, 15% of the dues they pay goes back to the chapter. In addition, $5 is added to the chapter’s rebate for each new member who joined the SBE and is affiliated with the chapter during the calendar year. The larger the chapter, the larger the rebate.

Chapter Rebate checks are mailed annually to each qualifying chapter on June 1st based on their record the previous calendar year. To be sure your chapter qualifies, be sure to have at least five meetings before year-end and send the corresponding meeting reports to the national office.

The SBE’s simplified operation also creates some efficiency in other ways, helping to minimize what can be a cumbersome governance structure used in other organizations. All of SBE’s elected national board of directors are elected on an “at-large” basis. In other words, they represent each member of the SBE, not just those from any one city, state or region. This not only simplifies the election process, but allows the board to look at issues from the standpoint of what’s best for the organization as a whole and not to the favor of any one region. A lot less time is spent by volunteers and staff on the mechanics, and yes, the politics of elections, and more on the issues important to the membership.

There is something each member can do to help their chapter and the national SBE. At almost every chapter, there are local broadcast engineers who regularly attend the meetings but who have not joined the SBE. Encourage them to join! Their dues will help your chapter as well as the national SBE continue to provide the programs and services needed that help all broadcast engineers and advance the broadcast engineering field.
The schedule for the National Meeting begins on Tuesday, October 26 (All times CDT) with a meeting of the SBE Certification Committee from 2:00 pm to 4:00 pm. The regular fall meeting of the SBE national Board of Directors will be held beginning at 6:00 pm and will run until about 10:00 pm.

National Meeting activities continue on Wednesday, October 27 with the annual SBE Fellows Breakfast, sponsored by Kathrein Inc. Scala Division, from 8:00 am to 9:00 am. All SBE Fellows are invited to attend and will be guests of the SBE. SBE National officers and the Chapter 24 chairman and convention chairman are also invited.

A Frequency Coordination Committee Meeting will be held Wednesday at 9:00 am. Local coordinators are invited and welcomed to attend.

The SBE Annual Membership Meeting, sponsored by Nautel, will be held from 4:00 pm to 5:00 pm. The meeting will include recognition of newly elected members of the Board and officers, the introduction of the SBE Membership Drive Grand Prize winner, John Ramsey of Hartford, Conn. and several brief reports and updates on national SBE activities.

With the assistance of Chapter 24, the SBE Annual Membership Meeting will be streamed live via the Internet. To view the meeting live go to www.sbe.org and click on the SBE National Membership Meeting live webstreaming icon.

At 5:00 pm the SBE National Reception, sponsored by The Durst Organization, will be held in the hotel’s beautiful atrium and will include cocktails, hors’ doevenes and live music featuring the “SBE Band,” Sticks & Bones.

The SBE National Awards Dinner, sponsored by Vislink, will follow the reception at 6:00 pm and last until 8:45 pm. The National Awards Dinner will feature guest speaker, Dr. Barry Orton, Professor of Telecommunications at the University of Wisconsin - Madison who specializes in telecommunications planning and public opinion research in addition to broadband policy and regulation. Dr. Orton will speak on the future of the broadcast industry in relation to the pending federal broadband plan. The dinner program will also include the presentation of the SBE Broadcast Engineer of the Year Award to John Luff and the SBE Educator of the Year Award to Charles “Buc” Fitch, P.E., CPBE, AMD. Two members will be recognized with the highest membership rank awarded by the SBE, the SBE Fellow: Sterling Davis, Vice President of Engineering, Cox Media Group in Atlanta, Ga. and Robert Locke, CPBE, CBNT, Chief Engineer for KPTS-TV in Maize, Kan. Chapters and individual members will also be recognized during the dinner for best technical article, best chapter newsletter, website, regional conference, most certified chapter and chapters with the greatest percentage growth and highest average member attendance at chapter meetings.

Tickets for the SBE National Awards Dinner are $15 dollars each and are available to order on-line at the SBE website, www.sbe.org/cal_conv.php or by calling the SBE National Office, (317) 846-9000 between 8:30 am and 4:30 pm EDT, Monday through Friday.

A limited block of rooms has been set aside at the Marriott Madison West Hotel (313 John Q Hammons Drive in Middleton, Wis.) for guests and exhibitors to use should you desire overnight accommodations. A special guest room rate of $109 single, $129 double has been arranged for attendees of the National Meeting and Clinic. To make reservations, call (888) 745-2032 and ask for the special WBA rate. The cutoff date for reservations is October 11. After that, rooms are available subject to a space and rate-available basis.

We hope to see many of you in Madison for this year’s SBE National Meeting and the Wisconsin Broadcasters Clinic.

Thank you to our SBE National Meeting Sponsors:

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sharing. The 6425-6525 MHz and 13.2-13.25 GHz bands (as well as the 17.7-18.3 GHz and 19.3-19.7 GHz bands) are already shared among FS, BAS and CARS. FCC says that this sharing has been facilitated by frequency coordination procedures which “have helped to minimize interference concerns among the services.” With this premise, FCC now proposes to permit sharing among FS, BAS and CARS licenses at 6875 - 7125 MHz and at 12,700 – 13,200 MHz. FCC asks for comment on this sharing plan, and how, for example, 7 GHz ENG and temporary fixed links would be affected by it. FCC proposes to apply its “existing frequency coordination processes.” For those who believe that the existing coordination processes are inadequate, FCC asks for alternatives or modifications that will solve the problem identified.

While there is plenty to be concerned about in this rulemaking, there are a few bones tossed to BAS licensees, such as the proposal to eliminate content regulations for BAS transmissions, since “bits is bits” and categorizing digital transmissions by content is no longer a meaningful endeavor. The Notice also raises again the subject of Category A (efficient) versus Category B (less stringent performance specification) antennas. SBE has been beating this drum for years without result, but now that FS facilities are to find their way into BAS allocations, all of a sudden efficiency is called for. Better late than never.

SBE’s Frequency Coordination Committee and its Government Relations Committee are looking into this docket. Let them have your input via SBE Headquarters. The comment date is October 25, 2010, and reply comments are due November 22, 2010, so there is plenty of time to be heard. There is plenty to fear here; the impact on mobile and temporary fixed links in these bands in covering production, news and sporting events, is potentially very high. Mixing mobile uses and new fixed, point to point facilities is without doubt the more problematic of the issues raised in this NPRM. Talk to us about this. We want to hear from you.

ELECTION RESULTS from page 1

Hand, CPBE, 8-VSB, AMD, Chief Engineer, WSOC-TV, WAXN-TV in Charlotte, N.C. Andrea Cummis, CBT, CTO, Technology and Operations Consultant in Roseland, N.J., was elected to a second term as treasurer.

There were eleven candidates running for six seats on the national board. The six with the most votes were elected and will also begin their two-year terms on October 27. They include Timothy Anderson, CSRE, DBR, CBNT, Manager, Radio Market and Product Development for Harris Corporation, Broadcast Communications Division in Mason, Ohio; Ralph Beaver, CBT, President and CEO, Media Alert, LLC in Tampa, Fla.; Gary Kline, CBT, CBNT, Vice President of Engineering and IT at Cumulus Media Inc. in Atlanta, Ga.; Gary Liebisch, CPBE, Eastern Regional Sales Manager for Nautel, in Milford, Ohio; Scott Mason, CPBE, Regional Director of Engineering for CBS Radio in Los Angeles, Calif. and Jeff Smith, CSRE, CBNT, Supervisor of Studio Systems for Clear Channel Radio in New York City.

Upon hearing the results of the election, President Lopez stated, “I am looking forward to my second term serving as the Society’s President and to working with the newly elected directors of the board.”

The national board of directors is responsible for the development of Society policy and determines the programs and services the organization provides to its more than 5,200 members. Those elected will join six other directors who have another year remaining in their two-year terms as well as immediate past president, Barry Thomas, CPBE, CBNT.

The SBE National Meeting will be held in conjunction with the Wisconsin Broadcasters Clinic, hosted by SBE Chapter 24 of Madison, Wis. and the Wisconsin Broadcasters Association. The event will take place at the Madison Marriott West Hotel in Middleton, Wis.
Doug Stallard, CPBE, CBNT
Chief Engineer, WVLT-TV, Knoxville, Tenn.

Joined SBE in 1991, Chapter 113 - Knoxville, Tenn.
Best known for: making people laugh and encouraging them to embrace the changes facing the broadcast industry.
When I’m not working I ... Spend quality time with my wife of 37 years, Mary, pictured here.
You may not know ... While working in radio our staff won a Peabody award for around the clock emergency coverage and emergency assistance during a devastating flood in Southeast Kentucky.
Favorite Gadget: One of my most prized possessions is a 1949 copy of the NAB Engineering Handbook 4th Edition. I have searched diligently for editions 1 through 3 and cannot find them anywhere.
Sphere of Influence: I admire John Battison. I met him several times during the early WOSU conferences and subsequent NAB meetings etc. What a smart man. I am basically self taught and admire Carl Smith, Harold Ennes and all of the authors that wrote and still write material that we can read daily and educate ourselves in this ever changing industry.
SBE would like to welcome its newest members:

**New Members**
- Francisco Abril, Jr. - Tucson, AZ
- Chester L. Allamon - Greenville, NC
- Michael J. Baker - St. Michael, MN
- William S. Brown - Grass Lake, MI
- William W. Bryan - Livonia, MI
- Roger Crooks - Portland, OR
- Christopher S. Des Jardins - Napa, CA
- Jeffrey J. Dinsmore - Indianapolis, IN
- Chris C. Donhou - Henderson, NV
- Komivi A. Edah - Brandon, FL
- J. Stephen Faul - Delphos, OH
- Joseph E. Fiorini - Punta Gorda, FL
- Chuck A. Freeman - Shawnee, KS
- A.J. Fridgen - Shelly, MN
- Peter Gogas - College Station, TX
- Joseph Grimaldi - New York, NY
- Stephen P. Halatyn - Texarkana, TX
- James T. Halpin - Phoenix, AZ
- Dexter L. Johnson - Shreveport, LA
- David Keleshian - Van Nuys, CA
- Maria Laing-Smith - Van Nuys, CA
- Anthony Landi - Bethel, CT
- Albert D. Miller - Endicott, NY
- Leeland E. Mitchell - Oswego, NY
- Rob Mueller - Albuquerque, NM
- Joseph P. Oliveira, III - Los Angeles, CA
- Dale A. Pendleton - Raleigh, NC
- Wendy Reed - Nashville, TN
- Heidi F. Roach - Luzerne, PA
- Joe C. Roberts - Alta Loma, CA
- Greg Rogers - Las Vegas, NV
- Joseph H. Schmelter - Lebanon, TN
- Bart L. Schrum - Perris, CA
- Robert O. Sims - Fairborn, OH
- Tom Spaight - Weaverville, NC
- Timothy E. Stumpp - Scottsdale, AZ
- Gordon R. Thomas - Nanticoke, PA
- Patrick Tuttle - New Castle, PA
- Tim P. Valley - Northfield, MN
- Nate Wheeler - Springfield, OR
- David Whitehead - Dacula, GA
- Wai Ho Wong - Kowloon, Hong Kong
- Victor Zarrilli - Rocky Hill, CT

**Reinstated Members**
- Elaine Poppe - Jacksonville, FL
- Mike L. Moravec - Benton, AR
- Kelly T. Williams - Washington, DC
- Stephen R. Holt - Moreno Valley, CA
- Edwin A. Breidiger - Phoenix, AZ
- Matthew C. Brandes - Angier, NC
- Jack D. Dillon - Ruskin, FL
- Steven P. Barousse - Washington, DC
- Mark T. Heitman - Spokane, WA
- Christopher A. Fraley - Piscataway, NJ
- Christopher R. Auker - PPO, AP
- Wesley W. Bishop - Cumming, GA
- Arthur C. Botterell - Fairfield, CA
- Travis C. Glazener - Las Vegas, NV
- Daniel B. Paixao - Nampa, ID
- Matthew L. Shea - Silver Spring, MD

**Reinstated Senior Members**
- C. Wayne Schuler - Vancouver, WA

**New Student Members**
- Travis P. Arrington - Chancellor, AL
- Fuad Cuzmar - Albuquerque, NM
- Anthony V. Green - Bronx, NY
- Christopher D. Peters - Kansas City, MO

**New Associate Members**
- Brian J. Fitzpatrick - Ashby, MA
- Drew Smith - Baraboo, WI

**New Youth Members**
- Mark Baldridge - Hillsboro, WI

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