The Society of Broadcast Engineers has announced the winners of its 2010 SBE National Awards. Winners will be recognized at the Society’s National Awards Dinner on October 27 in Madison, Wis. The event is part of the annual SBE National Meeting, which is being held in conjunction with SBE Chapter 24 and the Wisconsin Broadcasters Association (WBA) at the Madison Marriott West Hotel.

The winner of the SBE Broadcast Engineer of the Year Award is John Luff. Luff has been a member of SBE since 1984.

Luff was nominated for this prestigious award for the work he has done in the broadcast engineering industry as well as on a local level within SBE Chapter 20, Pittsburgh Pa. Luff is currently a media technology consultant and has his own company, HD Consulting, in Sewickley, Pa.

His resume includes senior vice president business development at AZCAR, founder and president of Synergistic Technologies Inc., engineering manager at TPC Communications, as well as volunteer services as chairman of SBE Chapter 20 and conference vice president at SMPTE.

Recently, Luff has provided new energy and leadership to his chapter, which was facing declining participation. He changed the meetings from a monthly format in order to have meetings whenever an important topic and expert presenters were needed.
available to present more detailed technology. He accomplished this by using his significant contacts to arrange for industry experts to present at his chapter meetings. Over 70 members attended the event he organized on 3D technology. He held the event at NEP Broadcasting in Pittsburgh, Pa. and had presenters George Hoover, CTO from NEP and representatives from PACE 3D cameras. To increase participation, Luff set up a Yahoo Groups site to provide quick communications to local members.

Recipients of the SBE Broadcast Engineer of the Year Award are recognized for making significant contributions to the field of broadcast engineering or for furthering the goals and objectives of the Society. They must be members of the Society and are nominated by their peers.

The 2010 SBE Educator of the Year Award will be presented to Charles ‘Buc’ Fitch, P.E., CPBE, AMD. Fitch has been a member of SBE since 1975 and certified since 1976. Fitch was nominated for his 40-year-plus contributions to educating the industry through articles, presentations and committee work, not only in mainstream technical areas of broadcasting but also important adjacent technologies such as Numerical Electromagnetic Code (NEC), project management and collateral regulations.

Fitch has been an important contributor to industry publications. In this past year, he has continued a successful recurring feature in Radio World called “Certification Corner,” which is aimed at helping readers understand and prepare for the SBE certification exams. With this feature his goals are to educate and familiarize exam takers with the scope of the certification exams, motivate potential candidates and reinforce the professional aspects of the SBE Certification Program. To read Fitch’s “Certification Corner” visit http://www.rwonline.com/section/certification-corner.

Another series of articles called “Milestones” utilizes his passion for the history of the industry and the roles of broadcast engineers. In this series he looks back and reflects on important technological achievements in communications on both the broadcast and consumer sides. He has written on such diverse topics as the Marti RPU receiver and the proliferation of early automobile radio receivers. In one stretch he profiled several 1 kW transmitter models that helped change the industry. “Milestones” can be read at http://www.rwonline.com/section/milestones.

The award for Best Technical Article, Book or Program by a SBE Member goes to Doug Irwin, CPBE, AMD, DRB for his article, “The Future of Radio” in Radio magazine’s December 2009 issue. To read Irwin’s article, visit http://radiomagonline.com/features/radio_trends_technologythe_future/.

Local chapters have also earned awards based on their own achievements. Some categories recognize two chapters, based on their size. Class A represents those chapters whose membership is less than the national median, while Class B are those chapters that have membership greater than the national median.

**Best Chapter Website:**
Chapter 54: Hampton Roads, Va.
To see their website visit www.sbe54.org.

**Best Regional Conference:**
Chapter 24: Madison, Wis.

**Best Chapter Newsletter:**
Class A: Chapter 24: Madison, Wis.

**STATISTICAL AWARDS**

- **Most Certified**
  - A) Chapter 140 Ithaca, N.Y.
  - B) Chapter 131 Inland Empire, Calif.

- **Greatest Percentage Growth**
  - A) Chapter 136, Rio Grande, Texas
  - B) Chapter 144, Hong Kong

- **Highest Member Attendance Percentage**
  - A) Chapter 143 Mid MO, Missouri
  - B) Chapter 76, Eugene, Ore.

Our thanks to the SBE National Awards Committee, chaired by Jim Leifer, CPBE and committee members Leonard Charles, CPBE, Bill Ryall and Marcelo Sanchez, CPBE.
Chapter 24, Madison, Wis. to host national meeting

The 2010 National Meeting of the Society of Broadcast Engineers will be held on October 26-27 at the Marriott Madison West Hotel, 1315 John Q Hammons Drive in Middleton, Wis. The event will be hosted by Chapter 24 of Madison. The National Meeting is being held in conjunction with the Wisconsin Broadcasters Clinic, held October 26-28, which is 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. All activities will be held at the Marriott Hotel. 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 (800) 236-1922 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. All activities will be held at the Marriott Hotel. 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 (800) 236-1922 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.

The SBE 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 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 special invitation will go to this group in late August. Reservations are required.

The SBE Annual Membership Meeting will be held from 4:00 pm to 5:00 pm. The meeting will include the induction of newly elected members of the Board and officers, recogni-

Skyline of downtown Madison, Wis; the SBE National meeting will be held at the Madison Marriott West Hotel.
We hadn’t received any invites, and in fact were stonewalled when we called the FCC to inquire about getting some representation. We had heard some mentions about some who may be participating, but nothing official.

During the EC meeting we discussed this issue at length. It was decided to take our concerns to the top with a letter to FCC Chairman Genochowski, pointing out that the singular organization representing broadcast engineers throughout the country did not have a seat at a broadcast engineering forum, and that it seemed like disservice to our organization—one that has a rich history of cooperation with the FCC.

I also want to clarify that we were not “whining because we weren’t invited” but were extremely concerned that the FCC is seeking to make “broadcast engineering” decisions without the input of broadcast engineers... that the selection process of invitees was not transparent and was a cause for more concern.

The day following the FCC’s receipt of our letter, John Poray received a call from the FCC, offering us invitations to the forum. Due to prior commitments here at WSYT, I was unable to attend but I asked SBE Vice President Ralph Hogan, CPBE, DRB, CBNT and SBE Director Joe Snelson, CPBE, 8-VSB to represent the Society. Joe participated in the “Methodologies for Repacking the TV Band” group while Ralph participated in the “Improvements in VHF Reception” group. To see a replay of the public portion of the forum, go to http://reboot.fcc.gov/video-archives. To look at the output of each working group, visit http://reboot.fcc.gov/workshops/broadcast-engineering-forum.

We still need members to contact their representatives and senators regarding our 2 bills, S2881 and HR 4809. SBE has sample letters and lists of representatives and senators on the website at http://sbe.org/pub_sc.php#Helpisneeded. Time is running out in this legislative session and we need to try and move these bills along. If they do not make it this year, we run the risk of them not being introduced in the next session in January, so let’s make every effort to do as much as we can to help achieve our goal.

For the past few months, I have been talking about a little newsletter contest. If you look at the titles of my Signal articles since I became president, they all have something in common. If you can identify what that commonality is, now is your chance to win something nice. Send an e-mail to vlopez@sbe.org with your guess as to what the commonality is. We’ll put all the correct entries in a drawing, pick three winners and send each of you a copy of the new SBE CertPreview! In case you can’t remember, some article titles were: “Springtime”, “As Time Goes By”, “Out of Sight, Out of Mind”, “Your Retention Please”, and this month’s “38 Across”. Deadline to get entries to me is August 31 and you do need to be a current member to enter. We’ll publish the correct answer and winners in the next edition of The Signal.
The national broadbandwagon plan

by Chris Imlay, CBT®
SBE General Counsel

The national broadbandwagon plan isn’t really news. President Obama signed a Presidential Memorandum on June 8, 2010 entitled Unleashing the Wireless Broadband Revolution. This committed the federal government to find an available 500 MHz of federal and commercial spectrum over the next 10 years for reallocation to broadband. The President said that this spectrum will foster investment, economic growth and help create hundreds of thousands of jobs by meeting the “burgeoning demand” for mobile and fixed broadband, other “high-value uses” and benefits for other industries. Currently, wireless companies have about 534 megahertz allotted to them. That number will double in the next ten years, apparently.

The FCC’s National Broadband Plan released earlier this year recommended of course the exact same thing. Of the 500 MHz to be harvested and reallocated to broadband, 300 megahertz must be between 225 MHz and 3.7 GHz for mobile use within five years. In my last column, I described this as an element of the “Perfect Storm” for the TV broadcast bands. Since then, the FCC has proposed to revise the rules for the Wireless Communications Service (WCS) bands at 2305-2320 and 2345-2360 MHz so that 25 megahertz of that spectrum will be available for mobile use. The FCC has also already held their controversial “Broadcast Engineering Forum” on June 25, 2010, which explored the cellularization of broadcast architecture; the use of distributed antenna systems, methods for repacking the TV band, “improvements” in VHF reception; and advancements in compression technology. Cynics among us would suggest that this move on FCC’s part was simply to develop a record that will allow it to do what the National Broadband Plan has already established as a goal: the reallocation of 120 MHz of television core channel spectrum for broadband according to the plan. So, the bandwagon is picking up speed and everyone, including President Obama, is jumping on. Having that happen is like adding a supercharger to the bandwagon. It is soon going to be going too fast to be under control.

I have always thought that spectrum planning should be a lot like land use planning. Cities and counties have a master plan, developed after hearings and a lot of public input. It is supposed to be good for a long period of time, because it represents the broad goals the residents and the local government want to achieve, and it paints a “picture” (a big one) of what collectively the people want the city or county to look like twenty years or so later. Then, after developing, refining, honing and adopting the master plan, you make individual zoning decisions about individual parcels of land that are consistent with and which further that master plan. Spectrum allocations should be like that as well, I think.

Individual spectrum allocations decisions should be based on a master plan, which paints a “big picture” of spectrum use ten or twenty years hence. Internationally, that is kind of how it works. Domestically, well, not so much.

FCC doesn’t have a domestic master plan. The National Broadband Plan is not a master plan. It is surely enough a component of a master plan, but only one component. What we are left to ponder is what the rest of the spectrum landscape is going to look like when the National Broadband Plan is effectuated. What will traditional, over-the-air broadcast television look like? We don’t know, because that is not part of the plan. We thought we knew, since the DTV conversion was a partial spectrum plan as well. But that partial master plan didn’t last long. What will private land mobile radio look like? Broadcast auxiliary and microwave allocations used for video production? Amateur radio? We aren’t given that vision by the FCC, and we aren’t being asked to help shape it. We don’t know what the consequences of the reallocation of the 500 megahertz for broadband will be on the rest of the landscape, partially because we don’t know what the architects of the National Broadband Plan intended for the residual landscape to be after the reallocation, or even whether that mattered to them. All we are asked to do is to comment on what the effect will be of individual actions taken pursuant to the partial plan favored today, which has a single focus. We are asked to react, not proact. It is difficult not to become cynical in a purely reactive spectrum planning environment.

Perhaps the free market model (i.e. no master plan) for spectrum allocations is being relied on here, in which case what television broadcasting and other incumbent radio services look like post-broadband reallocation is whatever the market values most highly. That indeed seems to be the explanation. White House officials said the reallocation of spectrum would be voluntary, employing tools such as proceeds of spectrum auctions to compensate those who agree to relinquish their “unused or under-used” spectrum.

Indeed, money seems to be a large underpinning of the National Broadband Plan. According to the Fact Sheet distributed by the White House about the Memorandum: “The Administration has no official estimate of the auction revenues from this plan. The actual amount will depend on effective

see BANDWAGON on page 6
Have you thought about upgrading your current SBE Certification? Certifications are based on your years of experience in the broadcast engineering field. There are entry-level, five-year, 10-year and 20-year levels of certification. You do not need to hold one before obtaining the next one. SBE Certifications are good for five years so you could almost upgrade every five years if you are just starting out in the business.

For instance, if you hold a five-year level certification (CBRE, CBTE, CEA and CEV) and you are up for recertification, consider applying for and taking the Certified Senior Television or Senior Radio Engineer exam. The exam consists of 50 multiple choice questions and a choice out of three essay questions. Three hours are allotted to take the exam and it is “open-book” except for the essay (that portion is closed-book).

To help you study for any of the certification exams, you can use the reference list of suggested books available on the SBE website and the new SBE CertPreview.

If you have any questions about what certification would be right for you, please contact me at mclappe@sbe.org.

**Employer Notification**

Something you may consider when you apply for certification is your option to request a letter be sent to your employer from the SBE President. This letter would state that you have obtained a level of SBE Certification. While the certification itself looks good on a resume, this letter “steps it up” to acknowledge your efforts for career improvement in the broadcast engineering field. (Certification applicants can request the employer letter when they are filling out the certification or recertification application.) The employer letter is only sent out when the applicant passes an exam.

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**SBE Certification 2010-11 Exam Schedule**

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<td>August 6-16, 2010</td>
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<td>November 5-15, 2010</td>
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<td>Local Chapters</td>
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**BANDWAGON from page 5**

implementation and additional design details, but based on past auctions, many analysts believe the revenue potential could reach in the tens of billions of dollars. The proceeds would be invested in public safety, additional job-creating infrastructure investments and deficit reduction.”

But it is overly simplistic, and perhaps overly cynical to think that this is just crass commercialism at work here. The Presidential Memorandum also recommends that “[t]he FCC, within the next 10 years, should free up a new, contiguous nationwide band for unlicensed use.” This would provide “new opportunities for innovation through free, unlicensed use of spectrum by technology startups, individual users, and others.” Furthermore, auction revenues will allow additional investment in public safety and infrastructure and that “a critical part of this spectrum initiative” will be to provide funding to help build a nationwide interoperable mobile broadband network for public safety, which would include ‘next generation’ technologies.

The White House praised FCC Chairman Genachowski and his team, who put together the National Broadband Plan. But that is the problem. The plan was put together behind closed doors and it is not a comprehensive master plan that addresses the effect of its success on incumbents: the workhorse services that are potentially profoundly affected by the success of the Plan. Now, according to the Memorandum, the government is “pursuing a separate fast-track process to identify a down payment of specific bands of spectrum that could be freed up.”

Whatever the model, the National Broadband Plan looks a lot like a bandwagon that is being jumped on by everyone in Washington, regardless of political party, and regardless of the effect of the reallocation of spectrum (the volume of which has already been decided as a matter of policy), on incumbent services. The bandwagon has no brakes, folks, and it is picking up speed. The sad part is that we can’t really get out of the way.
LIFE CERTIFICATION
Certified Professional 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 ENGINEER® (CPBE®)
Dean Andrzejewski, Mosinee, WI – Chapter 80
James Hobbs, Coweta, OK – Chapter 56

CERTIFIED BROADCAST NETWORKING ENGINEER® (CBNE®)
Scott Arthur, Albuquerque, NM – Chapter 34
Charlie Edwards, Hixson, TN – Chapter 113

CERTIFIED BROADCAST TELEVISION ENGINEER® (CBTE®)
Scott Arthur, Albuquerque, NM – Chapter 34
Lawrence Earhart, Bic Bear Gry, CA – Chapter 131

CERTIFIED AUDIO ENGINEER® (CEA®)
Randall Bagoly, Newport News, VA – Chapter 54

CERTIFIED VIDEO ENGINEER® (CVE®)
Scott Eugene, St. Louis Park, MN – Chapter 17

AM DIRECTIONAL SPECIALIST® (AMD®)
John Howanec, North Royatlon, OH – Chapter 70

S-8-WS SPECIALIST® (S-8-VS™)
Mark Gem, North Little Rock, AR

DIGITAL RADIO BROADCAST SPECIALIST® (DRBS®)
Gordon Carrier, LaGrange, IL – Chapter 26

CERTIFIED BROADCAST SCHOOL COURSE COMPLETION
CERTIFIED BROADCAST TECHNICAL INSTITUTE®
Michael Fahlury, London, OH – Chapter 52

GREAT DIGITAL RADIO TECHNOLOGIST (GDR™)
Gary Schaut, Amherst, NY – Chapter 133

GREAT DIGITAL AV TECHNOLOGIST (GDAT™)
Gary Schaut, Amherst, NY – Chapter 133

GREAT DIGITAL TV TECHNOLOGIST (GDTV™)
Gary Schaut, Amherst, NY – Chapter 133

DIGITAL TELEVISION OPERATOR® (CRO®)
David Collett, Tampa, FL – Chapter 39

CERTIFIED TELEVISION ENGINEER® (CSTV®)
Randy Garret, Atlanta, GA – Chapter 5

CERTIFIED BROADCAST ENGINEER® (CBE®)
Dave Brawdy, Pullman, WA – Chapter 117

SPECIAL PROCTORED EXAMS
CERTIFIED SENIOR TELEVISION ENGINEER® (CSTE®)
Paul Boydin, Green Cove Springs, FL – Chapter 42

CERTIFIED SENIOR RADIO ENGINEER® (CSRE®)
Brien Lauffer, Torrance, CA – Chapter 47

CERTIFIED RADIO OPERATOR® (CRO®)
Thomas Alexander, Gallowhne, NC
Barry Brigham, Waynesville, NC
Daniel Davidson, Twin Falls, ID
Brian Graham, Gallowhne, NC
Fern Luham, East Sussex, England
Dustin Newhome, Stanley, NC
Garrett Richardson, Winston Salem, NC

CHEMEOAKER CENTER FOR SCIENCE AND TECHNOLOGY
Famous Spellman, Chesapeake, VA

PASadena CITY COLhGE
Adam Bate, Erik Crw, Victor Cornejo, Maria Flores, Ernesto Garcia, Sampson Hill, Jefferson Jimenez, Jessie Lopez, Rebecca Rosales, Hasnik Pohosn, Jonathan Scott, Matthew Tapia, Amber Trillo

CERTIFIED TELEVISION OPERATOR® (CTO®)
Zachary Borrile, Tacoma, WA

KEY STATE UNIVERSITY
Rachel Hunter, Carla Joil, Jeremy Markowitz, William Rose, Logan Seaman, Ryan Spisodo, Vaughn Still

RECERTIFICATION
The following applicants completed the recertification process either by re-examination, point verification through the local chapters and national Certification Committee approval and/or met the service requirement.

CERTIFIED PROFESSIONAL BROADCAST ENGINEER® (CPBE®)
Dave Brawdy, Pullman, WA – Chapter 117
Ballots for the annual election of members to serve on the SBE national Board of Directors were mailed in late July. The Board consists of 17 members, including four officers, 12 directors and the immediate past president. Members are asked to vote each year for candidates for the four officer positions and six of the twelve director seats.

One candidate is running for each of the four officer positions of president, vice president, secretary and treasurer. There are 11 candidates running for the six at-large director seats being contested this year. A complete list of candidates with photographs is included with this article.

The Nominations Committee was chaired this year by Board member, Jim Leifer, CPBE, Director of Engineering and IT, Clear Channel Communications, South Florida. Jim and his committee assembled a slate of candidates who have agreed to commit their time and expertise to serve on the Board, if elected. Members of the committee included Bill Ryall, Director of Engineering at Nassau Broadcasting- Maine Group, Portland, Maine; Leonard Charles, CPBE Director of Engineering, Morgan Murphy Media, Midwest, Madison, Wis.; Jim Schoedler, CBNT, Schoedler & Associates, Denver, Colo.

The official ballot was sent via USPS First Class mail to all voting members of SBE. That includes Member, Senior and Fellow members and the voting member representative of each of SBE’s Sustaining Member companies. If you don’t receive a ballot by August 6, please contact Holly Essex at the National Office at (317) 846-9000 or hessex@sbe.org.

Information about each candidate and their responses to questions about the Society will be included in the official ballot packet. You are encouraged to take time to review the descriptions and opinions of the candidates contained in the ballot, make your selections, and return the ballot to the SBE National Office so that it arrives no later than Thursday, August 26. Use the special election return envelope provided. Please mail early, allowing at least five business days for your ballot to reach the National Office. Allow two weeks if you are outside the United States. Each year a number of ballots are received at the National Office after the election is over and consequently cannot be included in the tabulation.

The ballots will be tabulated the night of August 27th by the official Board of Tellers, consisting of members of Chapter 25 in Indianapolis and central Indiana. Candidates will be notified the following day of the results. Those elected will take office during an induction ceremony held at the SBE National Meeting on October 27, in Madison, Wis. The National Meeting is being held in conjunction with the Wisconsin Broadcasters Clinic, sponsored by Chapter 24 of Madison and the Wisconsin Broadcasters Association.

The list of candidates as submitted by the Nominations Committee includes:

**President**
Vincent Lopez, CEV, CBNT
Director of Engineering, WSYT/WNYS TV
Syracuse, NY

**Vice President**
Ralph Hogan, CPBE, DRB, CBNT
Director of Engineering
KJZZ-FM/KBAQ-FM
Tempe, AZ

Vote for your National SBE Board of Directors
and will have the ability to revisit the questions within the sample exam after the scoring process. A breakdown of the topical categories is within the exam, which helps you identify your strengths and weaknesses so you can study accordingly.

The new software allows SBE the opportunity to update questions and content on a real time basis, providing you the most up-to-date information you need for the exams.

The SBE CertPreview prepares users for the following exams:

- Certified Broadcast Technologist® (CBT) - Radio
- Certified Broadcast Technologist® (CBT) - TV
- Certified Broadcast Networking Technologist® (CBNT®)
- Certified Audio Engineer® (CEA®)
- Certified Video Engineer® (CEV®)
- Certified Broadcast Radio Engineer (CBRE®)
- Certified Broadcast Television Engineer (CBTE®)
- Certified Senior Radio Engineer (CSRE®)
- Certified Senior Television Engineer (CSTE®)
- AM Directional Specialist™ (AMD™)
- 8-VSB Specialist (8-VSB)™
- Digital Radio Broadcast Specialist™ (DRB™) – coming soon!

For more information about the SBE CertPreview or to purchase the software, visit the SBE website at www.sbe.org/CertPreview.php

The Ennes Educational Foundation Trust offers scholarships, presents educational programming and provides grants for educational projects that benefits broadcast engineering and the broadcast engineer. To make a tax-deductible donation, make your check payable to the Ennes Educational Foundation Trust and mail it to care of the Society of Broadcast Engineers, 5012 North Meridian Street- Suite 150, Indianapolis, IN 46208.
What people are saying about SBE University

Since releasing the SBE University course on Computer Networking for Broadcast Engineers in May, 55 people have signed up for the course. That’s a record! No other course to date has elicited such interest. The demand is high and the feedback received thus far on the quality of the course and of SBE University as a whole, has been outstanding.

The SBE is grateful to Paul Claxton, CPBE, CBNT, for bringing this idea forward and developing the Computer Networking course for SBE. Claxton says, “The future of this industry is inevitably in information technology. This course serves as a stepping stone to help those who need to understand the fundamentals. As a broadcast engineer who has spent the last 15 years in IT and has experience in teaching, I felt compelled to give back to the Society that helped me. It is my hope that this course will help broadcast engineers take that step toward incorporating technology in their skill set.”

Those responding to an evaluation of their experience of SBE University and the course itself thought registration was easy, the format and ease of use of SBE University was great, and that overall SBE University is a great tool for learning. One student noted, “It was no problem logging on and starting right from where I left off each time.” Another person said, “Great experience, please develop more!”

Todd Creamer, a member of SBE since 2007, took the 8-VSB course. Creamer said of the course, “As a former writer of interactive training I found the course to be well presented and engaging. I hope to be able to take other courses in the near future.”

SBE University is made up of online self-study courses where you pick the date, time and location to learn. The member cost for these courses varies from $59 to $99. Upon registration, students immediately gain access to the course.

Each course in SBE University looks like an electronic book in that it is broken out into chapters. There are normally 8-14 chapters that make up the ‘meat’ of the course. At the end of most chapters are quizzes, as well as a final exam at the end, all to help you confirm your knowledge of the material.

Current courses available on SBE University include:

- Computer Networking for Broadcast Engineers
- AM Antenna Systems
- Voice Telco Networks and Studio Interface Systems
- 8-VSB
- AM Antenna Computer Modeling
- FM Transmission Systems
- Matching Networks and Phasing

SBE University is just one more way for the broadcast engineering professional to get the education needed to succeed. It is not meant to take the place of traditional in-person learning, like the Ennes Workshops, local SBE meetings and other live, in-person learning opportunities. However, SBE understands how difficult it can be to get away. By offering this library of self-study courses, SBE gives members additional avenues to acquire knowledge. That’s what it’s all about.

For more information on SBE University, visit the SBE website at www.sbe.org/SBEUniversity.php.
The 2010 SBE Membership Drive has come to a successful close. The SBE Membership Committee would like to thank the members who participated in the drive by recruiting new members. All participants are winners, earning $5 off their 2011 membership renewal for each new member they recruited (up to $25).

The following is a complete list of winners drawn June 12 at the SBE Executive Committee Meeting held in Indianapolis, Ind.

**Grand Prize Winner:**
John Ramsey – Ch. 14, Connecticut Valley
- Trip to the SBE National Meeting in Madison, Wis. October 26-27, Courtesy of the SBE.
- HDTV, courtesy of the SBE.

**First Prize Winner:**
Mark Heller, CBRE, CTO – Ch. 80, Fox Valley, Wis.
Panasonic Lumix Digital Camera, courtesy of Panasonic.

**Second Prize Winner:**
Larry Bloomfield – Ch. 76, Eugene, Ore.
Paladin Tools PT-540, courtesy of Broadcast Supply Worldwide.

**Other Prize Winners:**
Mark Heller, CBRE, CTO – Ch. 80, Fox Valley, Wis.
- Web camera courtesy of Broadcast Microwave Services.
- William Magliocco, CPBE, 8-VSB, CBNT – Ch. 5, Atlanta, Ga. Logo Polo courtesy of Broadcast Electronics.
- Mark Albert, CPBE – Ch. 26, Chicago, Ill.
- William Brown – Ch. 39, Tampa Bay Area, Fla.
- Mark Harris – Ch. 67, North Texas
- Mark Hill, CSRE – Ch. 49, Central Illinois
- Noel Richardson, CSRE – Ch. 116, Mountain State, W. Va.
- Bruce Ziemienksi CPBE, DRB, CBNT – Ch. 131, Inland Empire, Calif. SoftMetal Server logo shirts courtesy of Ross Video.
- Mark Heller, CBRE, CTO – Ch. 80, Fox Valley, Wis.
- Steven Schmitt – Ch. 49, Central Illinois
Logo Fleece Pullover courtesy of Kathrein Scala.
- Larry Bloomfield – Ch. 76, Eugene, Ore.
- Charles George, CST – Ch. 21, Spokane, Wash.
Logo Polo courtesy of Continental Electronics.
- Mark Heller, CBRE, CTO – Ch. 80, Fox Valley, Wis.
Flash drive lanyard courtesy of Broadcast Electronics.
- John Collinson, CPBE, 8-VSB, AMD, CBNT – Ch. 39, Tampa Bay Area, Fla.
- Chris Gunnufsen – Ch. 54, Tidewater, Va.
- Chris Homer, CTO – Ch. 47, Los Angeles, Calif.
Gerber Multi-tool courtesy of Harris.
- David Boltz – Ch. 47, Los Angeles, Calif.
- Steven Jaquin - Ch. 132, Fort Meade, Md.
- James Ocon – Ch. 74, Midland, Neb.
Logo shirt courtesy of SCMS.

Terry Reynolds, CPBE – Ch. 89, Alaska
Harris coaster set courtesy of SCMS.

George Maier, CPBE – Ch. 11, Boston, Mass.
AKG Acoustics microphone courtesy of SCMS.
- Dewey Newton – Ch. 5, Atlanta, Ga.
- Arthur Smith, CPBE, CBNT – Ch. 79, Austin, Texas
Pocket Protector courtesy of SCMS.
- Francis Hertel – Ch. 121, Tri-State, Ill./Ind./Ky.
- Robert Reymont, CPBE – Ch. 9, Phoenix, Ariz.
DTS logo shirt courtesy of DTS.

Michael Maville, CBT, CBNT – Ch. 88, West Palm Beach, Fla.
DTS Hat courtesy of DTS.
- John Collinson, CPBE, 8-VSB, AMD, CBNT – Ch. 39, Tampa Bay Area, Fla.
- Adolph Garza, CBT – Ch. 67, North Texas
- Mark Heller, CBRE, CTO – Ch. 80, Fox Valley, Wis.
- Richard Mall, CBTE – Ch. 38, El Paso, Texas
- David Priester, CPBE – Ch. 140, Ithaca, N.Y.
- Shane Tove, CBRE, CBNT – Ch. 129, Wyoming
Compact Black LED flashlight courtesy of Harris.
Rapid growth of the SBE education program — are you taking advantage of it?

by John Poray, CAE
SBE Executive Director

It’s been two years since SBE began a significant and intentional expansion of its nationally offered educational opportunities for members, and just over one year since the Board authorized funding to add the new position of education director to the national office staff. The SBE Board of Directors made the important decision to commit financial resources to expand and build a quality, comprehensive education program. Since April of 2008, we have seen an impressive increase in the number of educational courses and seminars that SBE offers on a national basis. Recognizing our member’s limited time and financial resources, a major thrust of the education expansion was to create on-line learning opportunities that meet their needs.

Our Education Committee, chaired by David Priester, CPBE, has done an outstanding job, working with education director, Kimberly Kissel, to develop a growing catalogue of educational programs for members and non-members alike. There are now seven courses available within the 19 month-old SBE University of on-line, on-demand courses, the latest covering computer networking, written by Paul Claxton, CPBE, CBNT of Chapter 131, Inland Empire of California. More than 50 people have already taken, or are taking the course now, with many good reviews. More University courses are in the works, including one on ENG truck operation, which has been requested by many people.

SBE’s education program includes three other major areas of effort, all of which have experienced growth in the last year. The Ennes Workshops, presented by SBE, will number seven this year, the most ever. These one-day programs bring multiple speakers to local areas who speak on varied broadcast technical topics. They are affordable in both time and cost. Speakers are experts in their fields and come from across the country. So far this year, Ennes Workshops have been hosted by chapters in South Florida, Las Vegas and El Paso with programs in Nashville, Dallas, San Diego and Boston yet to come. If your chapter is interested in bringing an Ennes Workshop to your city in 2011, contact Kimberly and she’ll explain what’s involved.

Webinars by SBE are live programs via the Web that feature experts on a variety of broadcast technical, regulatory and management topics. Typically lasting from one to three hours, these are convenient and economical programs that serve to keep you up with technical advancements, operational procedures and management techniques. Six webinars have been held so far this year with more scheduled, including the next SBE RF Safety Course by Richard Strickland on September 16 at 6:00 pm EDT/3:00 pm PDT. Other webinar topics this year have included: Maximizing HD and 1080p/60 Cable Performance, event frequency coordination, RF safety and leadership, communication and motivation as management skills. All of the SBE live webinars held so far this year are still available, as recorded versions on-line, at the SBE website, www.sbe.org.

The fourth area of SBE education consists of our Leadership Development (formerly known as Leader-Skills) seminar. SBE began offering this in 1997, picking up a program begun in the mid-1960’s by the NAB. This year, our Leadership Development Course has been stream-lined to one, three-day program (down from two-three-day sessions) and is being held in Atlanta, August 3-5. As of this writing, 25 people have registered for the course, making it the best attended SBE Leadership Development seminar SBE has offered. The course is being taught by Rodney Vandeveer, Professor of Organizational Leadership and Supervision at Purdue University, who has taken over for us after the retirement of Dick Cupka. Rodney has an impressive background of industry and teaching experience and comes highly recommended by Dick. We know he is going to carry on the legacy of quality, real-world instruction that Dick was so noted for.

To summarize, in just two years, SBE has created 14 new and unique education programs and expanded our legacy education programs at the same time. I’m pleased to say that so far during 2010, almost 500 members have taken advantage of these programs. Have you? I encourage you to visit the SBE website education pages, read about the many programs now available and see if there isn’t something for you. And if you have ideas of programs you’d like to see, let us know. Every program SBE has created has come from member suggestions.

Your opportunity to vote . . . We just mailed ballots for the election of national officers and directors to all voting members this past week. Watch for yours in the mail. When you get it, please read the information about the candidates, mark your ballot and return it by mail to the national office. Our current fine group of officers is running unopposed and we have eleven candidates running for six director seats. Your vote is an opportunity to express a commitment to your Society and your profession by showing support for those who will represent you on the governing body of the Society. Ballots are due back to the national office by August 26 and will be counted that night by members of Chapter 25, here in Indianapolis.

One more item . . . we’re working on an overhaul of the SBE website this summer. Watch for a new, more streamlined website, compatible with mobile applications and with a new chapter and national calendar feature, this fall.
Johnny Stigler, CPBE  ENG Supervisor, WFAA-TV, Dallas, Texas. Joined SBE in 1986, Chapter 67, North Texas.

When I’m not working ... When I am not on the job and not on a cruise with the wife, I am building projects for our Ham group. We have about 50 repeaters around the state to maintain. The first system design started in my garage with three of us. Later we formed a club and have made many new friends over the years. I enjoy going to meetings around our state and also going to California for their meetings.

Job Satisfaction: My current job in Television for the last 30+ years is something that I have always enjoyed. It is almost like a paid hobby. When I tell people about going to work on the tower top or jumping in the helicopter for a ride they just can’t visualize someone doing this. For me it is just part of a normal day, keeping our station running. I needed a window air conditioner replaced at 1500’ on the tower top in our building one day. I took my son along for the manual labor. He still talks about this today. Retirement is getting closer, but if it is like my other ham buddies, the work will pick up after retirement keeping the hobby running.

SBE Chapter 66, Fresno, Calif. is a strong and active chapter that has continuously provided consistently strong educational programs and newsletters. Chapter Secretary and Treasurer Steve Dresser describes his chapter’s successful formula:

“Chapter 66 of the Central San Joaquin Valley has always been active with the Valley Engineers from radio, television, cable and county & city radio services. We have a monthly luncheon meeting, usually with a representative from a broadcast equipment manufacturer showing their goods. In September we have our annual ‘Picnic at Meadow Lakes’ for engineers and their families and friends. Tours of TV & FM Radio transmitter sites are given after the picnic. Chapter 66 has always promoted SBE Certification of local engineers from Bakersfield to Merced. Mike Feist, CPBE, CBNT from California State University Fresno, is our Chapter 66 Certification Chairman. We have always felt strongly about producing the Monthly Chapter 66 Newsletter, both the paper & on-line version, to keep everybody informed of Chapter 66 meetings and other happenings locally and nationally. Newsletter business card advertising supports the production of the newsletter and our other activities. We believe having a strong chapter chairman & bringing in equipment manufacturers to show off the latest equipment and answer questions about their products is very important to a successful local SBE chapter. We also try to arrange one or two field trips each year to manufacturers, transmitter sites, studios or cable system operations. We try to have programs throughout the year of interest to all the Central Valley Engineers.”

- Steve Dresser, KMPH TV FOX 26, KFRE TV CW 59

SBE Chapter 66 Chairman Ken Holden (holding meat tray) and Vice Chairman Pat Fennacy (holding microwave dish) at the annual Meadow Lakes SBE66 Picnic and transmitter tour. Just in case the grill doesn’t light, they can always microwave.

- Photo and caption by Dennis Thompson
Silver Members, those with at least 25 years of membership, are highlighted with a silver box, New Members are listed in blue.
SBE would like to welcome its newest members:

**New Members**
Robert Blazewicz - Oro Valley, AZ
Edward E. Hedge - Zanesville, OH
Donald A. Williams - Louisville, KY
Charles P. Sotto - Cincinnati, OH
Eric A. Clause - Las Vegas, NV
B. Lamont Dorrity - Heber City, UT
Yi V. Chung - Holland, MI
Gary L. Griffin, Jr. - Dothan, AL
Russell Guenther - Louisville, KY
Michael W. Hill - Roseburg, OR
Ryan Kinnaman - Haslett, MI
Russell T. Meadors - Normal, IL
Michael J. Steele - Appleton, WI
Scott Stokes - Albuquerque, NM
Anthony Versley - Winchester, VA
Thomas H. Ford - Callahan, FL
Denver J. Plett - Green Bay, WI
Steve DuChene - Tampa, FL
Anthony P. Fantozzi - Columbus, OH
Dennis D. Gardner - Las Vegas, NV
Aekta Joshi - Mississauga, Ontario, Canada
Roel H. Saenz - Laredo, TX
Jonathan R. Greco - Lansdale, PA
Robert P. Whalen - Peoria, IL
Daniel N. Whealy - Davis, IL
Rodney L. Freed - Martin, TN
Joseph P. Husnay - Chesapeake, VA
Daniel J. Hodd - Brooklyn, NY
Rich M. Martinez - Astoria, NY
Elliott M. Norton, III - Sugar Land, TX
Patrick L. Person - Bothell, WA
Leonard M. Wallace - Boone, IA
David W. Reams - Surfside Beach, SC
Ton King Kai - Lam Tin, Kowloon, Hong Kong
Andrew H. Rode - Mississauga, Ontario, Canada
Gustavo Ruibal - Knoxville, TN
David R. Festa - Bristol, CT
Michael A. Boswell - Mt. Juliet, TN
Fred Findling - Cheyenne, WY
Bill Waller - Longview, TX

**New Student Members**
Mitch W. Bunda - Calgary, Alberta, Canada
Cory J. Chibry - Okotoks, Alberta, Canada
Alexander W. Grant - Mission, British Columbia, Canada
Awad S. Hassan - Clagary, Alberta, Canada
Shawn R. Johnsen - Calgary, Alberta, Canada
Michael D. McGovern - Calgary, Alberta, Canada
Ben N. Yardley - Calgary, Alberta, Canada
Joanna Farley - Whitehouse Station, NJ
Aubrey D. Ralph - Madison, WI
Wesley W. Brofford - Lancaster, OH
Robert Zegarelli - Montreal, Quebec, Canada
Margo K. Kelly - Silver Spring, MD
Hugo E. Castellanos - Orlando, FL
Johnny R. Finley - Tacoma, WA
Jared A. Ghioto - South Yarmouth, MA
Gary E. Knittel - Las Cruces, NM

**New Associate Members**
Brandon Bowles - Benicia, CA
Wil Boyd - Mascoutah, IL

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