Add SBE to your 2008 NAB Show schedule

The Society of Broadcast Engineers will once again have a full slate of activities during the NAB spring convention, the “2008 NAB Show.” For the 14th year, SBE will serve as NAB’s partner in the production of the NAB Broadcast Engineering Conference (BEC) and will also have a prominent exhibit booth. The event begins on Saturday, April 12 and runs through Thursday, April 17. SBE will kick off the NAB Broadcast Engineering Conference with the presentation of an all-day Ennes Workshop on the topic of, “File Based Work Flow.” (see Ennes Workshop at 2008 NAB Show on page 8 of this issue of the Signal).

The 2008 NAB Show will once again be in Las Vegas.

SBE Spring Membership Meeting

At 5 p.m. on Tuesday, April 15, the annual spring SBE Membership Meeting will highlight the week for SBE. The meeting will be held in one of the BEC.

Add to SBE’s Winning Team

Spring is around the corner, which means it is time to start preparing for the SBE Membership Drive, which runs from March 1st through May 31st. Now is the perfect time to recruit new members for SBE. Members are what make our society strong, so help strengthen SBE by adding to its growing membership.

“Be a part of a winning team” is this year’s membership drive theme. A new year means a new chance to win. By being a part of SBE’s winning team, you have a chance to win in this year’s SBE Membership Drive and help someone you know win the benefits of being a part of the SBE team.

Maybe there is someone new to broadcast...
Where can I find a good job in broadcasting? Who can we hire for that technical position?

**Resume Bank**
Deposit your resume where prospective employers can view your profile and make a withdrawal from SBE. For information on submitting or accessing resumes, contact Scott Jones at kjones@sbe.org or visit:
www.sbe.org/career_resume.php

**Jobs Online**
Check out the latest broadcast industry job openings across the nation. For information on submitting or accessing positions, contact Scott Jones at kjones@sbe.org or visit www.sbe.org/career_jobsonline.php

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Nominate a deserving member for SBE Fellow

BY Troy Pennington, CSRE, CBNT
Chair, SBE Fellowship Committee

The March 31 deadline for nominations for the membership rank of SBE Fellow will soon be upon us. That's still plenty of time to nominate a deserving member who has made a real difference in your chapter over a long period of time; someone who has exhibited a dedication to the advancement of the broadcast engineer, the field of broadcast engineering and the SBE itself. If you have such a person in your chapter, consider nominating him or her for the SBE Fellow rank of membership. The Fellow designation is the highest level of membership and recognition presented to members by the Society of Broadcast Engineers. Members of SBE may earn the Fellow rank through several paths of achievement including conspicuous service, valuable contributions to the advancement of broadcast engineering or its allied professions, or by disseminating their broadcasting knowledge and promoting its application in practice.

Candidates for Fellow must be proposed in writing by a voting member to the Fellowship Committee. The nomination must include a comprehensive professional history of the nominee and the reasons you feel the candidate is deserving of this honor. The nomination must also include the written endorsements of at least five other voting SBE members. All nominations are to be kept confidential. No others besides the nominees and the SBE Fellowship Committee members should be aware of the nomination. Moreover, the nominee should not be made aware that he or she has been nominated.

Nominations for 2008 must be received no later than March 31, 2008 for consideration. The Fellowship Committee will bring the names of nominees to the SBE Board of Directors for consideration and election at their April 13, 2008 meeting. The SBE secretary will notify those elected. They will receive their award at the SBE National Awards Dinner on October 15, during the 2008 SBE National Meeting held in Madison Wisconsin, in conjunction with the annual Wisconsin Broadcasters Clinic.

Sixty-nine members have been recognized with the Fellow honor in SBE’s 44 years of existence. If there is a member in your chapter who has provided distinguished service in the field of broadcast engineering or to the chapter or at the national level, this is an opportunity for your chapter members to prepare a nomination for that person.

Nominations for Fellow are to be submitted to Fellowship Committee Chair: Troy Pennington, CSRE, CBNT, 6156 Hampton Hall Way, Hermitage, TN 37076 or to troy.pennington@cumulus.com.
n our last issue, I told you a little about the road that led me to the SBE and what the Society means to me. I want to talk now about the future and how we do the things we do. Recently, I was reminded of how much of our efforts on a national level might be invisible to the membership. I’d like to change that and talk about how the Society is structured and how we guide our collective efforts.

The Society is governed by a 17-person board of directors which includes 12 directors and four officers (President, Vice President, Secretary and Treasurer, elected by you each August. Our immediate Past President also serves on the board. Board members serve for two years, officers for one. To keep things consistent, board of directors terms are staggered so that only half of the directors are up for election each year. We all meet in person twice per year. We have a full-time office staff in Indianapolis led by our Executive Director, John Poray. These people handle the day-to-day execution of the Society but their efforts are a reflection of committee and board direction. The officers, the immediate past president and two appointed board members also serve as the executive committee and meet in person an additional two times per year. The executive committee and/or board of directors also meet by conference call as needed.

Here’s the important part: Each board member chairs a committee dedicated to a certain aspect of our Society. Significant decisions and discussions happen at the in-person meetings but the meat of SBE guidance is done in the committees. Certain other committees are chaired by non-board members, as well. Below is a list of our committees, who leads them, and a brief summary of their responsibilities.

**Awards** - Larry Wilkins, Prattville, AL  
(larrywilkins@charter.net)  
Solicits nominees and selects recipients of annual chapter and individual member awards.

**By-Laws** - Hal Hostetler, Tucson, AZ  
( lhk@kvoa.com)  
This group is charged with evaluation and adjustment to the governing instrument of our organization; the ethical and legal framework around which our Society is built.

**Certification** - Jim Bernier, Atlanta, GA  
(jim.bernier@sbe.org)  
Although most of you are familiar with the output of this committee, you may not be aware of the incredible commitment and discipline required to guide the program. Jim Bernier also serves on the Executive Committee.

**Chapter Liaison** - Chriss Scherer, Overland Park, KS  
(escherer@sbe.org)  
This committee is charged with chapter development and communication. Our Immediate Past President has take this as a personal assignment because our members derive much of the value of membership through our chapters.

**EAS** - Clay Freinwald, Seattle, WA  
(k7cr@blarg.net)  
This committee has been a historical fixture with the Society because of member interest but also because our members have a core competency to execute EAS plans. More recently we’ve been in the position of facilitating communication as a new generation of EAS is created.

**Education** - Cris Alexander, Denver, CO  
(crisa@crawfordbroadcasting.com)  
This is a relatively new committee but, as you can imagine, a critical one. This committee is tasked with charting the Society’s educational efforts, finding and executing programs to educate and train our members.

**FCC Liaison** - Chris Imlay, Esq. (Interim chair), Bethesda, MD (bfitpc@aol.com)  
This committee has historically been operating at an exceptionally high level, leading the efforts to protect BAS spectrum and inject technical perspectives into appropriate filings with the FCC. Recently this committee has been a focal point in alliances and negotiations with Nextel, T-Mobile, US Department of Defense and others.
Fellowship - Troy Pennington, Mobile, AL  
(troy.pennington@cumulus.com) 
SBE Fellow is the highest honor that can be bestowed upon a member recognizing distinguished service to the Society. This committee identifies and nominates potential Fellows to the Board of Directors.

Finance - Jerry Massey, Greenville, SC  
(jmassey@entercom.com) 
The Treasurer of the Society works closely with this committee to guide the Society’s financial health. As previous treasurer, former chair and long time member of this committee, I have a strong affinity for the importance of their efforts. The SBE Staff, led by Executive Director John Poray, execute the day to day job of the finances, but policy and overall guidance of the Society investments, budget and major expenditures is overseen by this committee. They have the responsibility for evaluating, researching and recommending any needed changes to the board of directors for action.

Frequency Coordination - Ralph Beaver, Tampa, FL  
(bevo@mediaalert.com) 
This committee, like EAS is based in member interest and core competency. We as broadcast engineers know what’s at stake and how scare our BAS resource is. This committee also manages our SBE/NFL Game Day Coordinator program.

Industry Relations - Jeff Smith, New York, NY  
(jrsmith@monmouth.edu) 
This committee is involved with developing partnerships and opportunities with other industries, groups, and societies.

International - Chuck Kelly, Hackett’s Cove, NS, Canada (chuck.kelly@nautel.com) 
The SBE has a worldwide reach with alliances with similar organizations around the world. This committee is charged with maintaining and developing those alliances and identifying international growth possibilities.

IT Strategy - Chris Tarr, Milwaukee, WI,  
(chris@broadcastdoc.net) 
Anything related to IT and our Internet efforts runs through this committee. This means our online presence, our main office connectivity, our email services,…everything.

Marketing and PR - Conrad Trautmann, New York, NY  
(ctrautmann@westwoodone.com) 
Anything related to IT and our Internet efforts runs through this committee. This means our online presence, our main office connectivity, our email services,…everything.

Membership/Sustaining Membership - Tom Ray, New York, NY (tomray@wor710.com) 
Membership stability and growth is of critical importance because our resources are directly a result of membership dues and participation. This committee works to develop ways to improve your member services and encourage new and renewed membership. The committee is also responsible for developing the annual membership drive. Tom Ray also serves on the Executive Committee.

Nominations - Chriss Scherer, Overland Park, KS  
(cscherer@sbe.org) 
To keep a transition plan that insures the leadership of the Society, this committee identifies and qualifies potential board members and officers for the annual ballot. If you want to participate on the national board, this chairperson is the one to contact!

Publications - Andrea Cummis, Roseland, NJ  
(acvideo2@comcast.net) 
This committee evaluates and develops any books and published materials produced by the Society. This committee has most recently worked with Focal Press in developing a joint publishing agreement.

Strategic Planning - Vinny Lopez, Syracuse, NY  
(VLopez@wsyt.sbgnet.com) 
This committee is charged with the long-term vision of the Society. Many programs we’re doing now are the result of this committee’s research and recommendations years ago.

I tend to beat a drum to the rhythm of the four purposes of the SBE. Please indulge me as I beat it again:

- Promote and Advance the science of broadcast engineering
- To establish standards of professional education, training and competence for members
- To encourage the exchange of ideas and promote professional standards
- To represent the needs of members before regulators and the industry

Everything we do relates to one of these four purposes or serves an effort to facilitate them by increasing membership, improving membership services or improving the profile of broadcast engineers. The way we do this is to combine the efforts of our 5,000+ members through our 112 chapters.
K, time to take off the gloves and let’s get down to it. My old buddy Richard Rudman, former SBE President and a person less cynical than I am, nevertheless is often heard reciting the Golden Rule, which as we all know by now is that “he who has the gold, rules.” It appears that cynical assessment is nowhere more true than on the 8th floor of the FCC. There, even the most ridiculous, el stinko ideas for uses of RF can be made to smell like Chanel #5 if advocated often enough and if enough money is thrown at the lobbying effort. Clarity Media Systems, a subsidiary of Flying J Truck stops, is today’s case in point.

You have heard of SBE’s effort to protect the BAS 2 GHz band from the Clarity Media Systems, LLC plan to use of the entire 2 GHz band at Flying J truck stops around the country. Dane Ericksen has appropriately labeled this “Trucker TV,” because that is literally what it is. You have heard that Clarity, fueled (pun intended) by massive funding from Flying J, has attempted to do a spectrum allocation (read “spectrum grab”) not by rule-making, as everyone else has to do, but by a series of waivers (257 of them, to be precise) in applications for CARS licenses specifying use of the entire 2025-2110 MHz band for short-range video transmission at truck stops for the benefit of long haul truckers. The ancillary applications of this technology, for those who don’t yet see the salesman’s foot in the door here, is to have short range video transmissions for recreational vehicles at RV parks around the country. Next, of course, is campgrounds generally, and then perhaps theme parks, sports stadium parking lots, etc. etc. until the use of the 2 GHz band for ENG is pretty much a no go. One wonders why we are killing ourselves reconfiguring the band and spending many millions of Sprint Nextel’s dollars in the process, if the FCC is going to allow spectrum pollution of this type anyway.

Clarity has no entitlement to provide subscription television service to end users via CARS licenses without rule waivers. About this there is no doubt. A bit less clear is Clarity’s eligibility for CARS licenses at all. And the worst part about Clarity’s proposal is that it stands the entire spectrum allocation process that FCC has used reasonably successfully for many years, on its ear. The Media Bureau, in 2007, reasonably and clearly denied these 257 waivers and dismissed the applications associated with them, noting that Clarity had not met the very high burden of justifying permanent waivers. Clarity, using apparently unlimitted funds from Flying J, Inc., promptly filed an Application for Review, asking the Commissioners to overrule their own Media Bureau.

Now, keep in mind that the Media Bureau didn’t just brush off these applications, as I would have done had I been the chief of the Media Bureau at the time. Dismissing these applications was the obvious and inevitable action a reasonable person would take. The Bureau did everything it could to steer Clarity into a more appropriate venue for Trucker TV, so as to avoid interference to licensed radio services, and still provide Trucker TV as a competitive video delivery service. It asked, for example, why Clarity couldn’t use the 5.47-5.725 GHz band, dedicated for Unlicensed National Information Infrastructure (U-NII) applications. That was a good, and perfectly viable alternative. Last July, Clarity said no, that wouldn’t work, because that band is intended for packet data, rather than multiple streams of video and audio programming, and so Clarity would require some waivers of the Part 15 rules to make that band work.
The committees above are one of the ways we make this happen. In every case, these chairpersons manage the work in these areas to direct the course of the Society. We’d like you to participate. If one or more of these areas are of interest to you, contact the chairperson. They will appreciate your interest and we all crave your involvement because it makes us all stronger.

**Final Note:**
Beginning in October, we hit the ground running and kicked off a number of efforts. One of the efforts is a new way to communicate to our members through a twice-monthly SBE-news email. The Signal offers in-depth discussions about the Society and its member efforts but often we need to tell you about things we’re doing quickly so you can participate and help. SBE-news gives us a way to get information to you quickly. If you have not received our first few issues in your email box, please make sure you’ve got your current email information and/or our newsletter is not trapped by your spam filters. I have noted in the first issue a number of ground rules we’ve set for ourselves related to the newsletter.

We initiated the SBE Roundtable two years ago which this is an email list server for SBE members. We’ve highlighted it recently and have received an amazing response with 321 members now participating. There are a couple of ways that this is being used: It’s a 24-hour brain trust but it’s also a discussion group on issues related to broadcasting. Please sign up! You’ll find it’s refreshingly helpful!

Looking forward to seeing you in SBE-news and on the SBE Roundtable! ☀️
“File Based Work Flow
SBE’s Ennes Workshop

By Fred Baumgartner, CPBE, CBNT
SBE Education Committee, Ennes Foundation

The 2008 NAB Broadcast Engineering Conference will open on Saturday, April 12 with the Society of Broadcast Engineers/Ennes Educational Foundation Trust Workshop. Again this year, those attending the PBS Engineering Conference will also be participating. It will be held at the Las Vegas Convention Center with the topic focusing on file-based workflow. Nothing in Broadcast Operations has such far-reaching user-driven business analysis is required if these efforts are to be successful.

8:00 am – 9:00 am
Harlan Neugeboren, CEO of The Workflow and Technology Group, LLC, presents, “File Based Workflow 101.” This year’s early-bird tutorial covers the basics of file-based workflow from acquisition through playback and archiving.

9:10 am – 9:55 am
James O’Brien, President, Building4Media, presents, “Cross Platform Work Flow.” This paper discusses design considerations and developments in cross-platform media operations and automation.

9:55 am – 10:30 am
Al Kovalic, Strategist and Pinnacle Fellow, Pinnacle, presents, “Video Timing and Synchronization in a Web Services Environment.” This talk covers the essentials of timing concepts across distributed software systems - the salient aspects of how to achieve frame-accurate video control using web services and SOA concepts.

10:35 am – 11:20 am
Brad Gilmer, Principal, Gilmer & Associates, Inc., presents, “Understanding and Describing File-based Workflow.” This presentation highlights efforts by users and manufacturers to develop and deploy file-based workflow solutions in the broadcast environment. It discusses efforts to create a common understanding of the problem and the words we use to describe it. The presentation also brings into focus that

11:20 am – 12:05 pm
Chris Lennon, Director of Integration & Standards, Harris Corp., will present “Broadcast Exchange Format.” A lot has been written and said about BXF (Broadcast eXchange Format). It will eliminate Master Control Operators, automate ingest, turn Traffic into a 24/7 operation, etc. This tutorial will sort through the hype and go into exactly what BXF was designed to do, what it can do today, and what it might do in the future. We will look at use cases, and explore the schema itself, with an eye toward making attendees much better versed on this promising new standard from SMPTE.

12:05 – 1:15 Lunch Break

1:15 pm – 1:30 pm
Al Kovalic, Strategist and Pinnacle Fellow, Pinnacle, presents, “A Brief History of the Second.” This short paper covers the development of timekeeping from water clocks to cesium fountain clocks to GPS and SMPTE 12M. Al ties all of this into the needs of broadcasters.

1:30 pm – 2:15 pm
John Luff, Consultant, Television Technology Consultant, presents, “Implementing Workflow Changes.” Changing from tape-based linear workflow in a broadcast plant to a file-based non-linear workflow brings with it great benefits, and significant challenges in implementation, training, maintenance, and recruiting. This
“n” is the topic for planning and implementation from a holistic approach, centered on defining goals and managing change. This year’s SBE/Ennes tutorials directly address the issues of this shift, with the most recognizable presenters in the industry. To attend the program, you must have full NAB Convention registration.

2:15 pm – 3:00 pm
John Footen, Vice President, National TeleConsultants, presents, “Business Process Analysis.”
Business Process Analysis is a structured methodology for defining workflow. The presentation focuses on Service-Oriented Architecture (SOA), an architectural approach to systems design that best provides flexibility to change workflow over time as business requirements change. Mr. Footen will also speak about Business Process Management (BPM) technologies which allow the orchestration of complex workflows across multiple systems. The talk covers media-specific applications of these concepts and the very practical steps which can be taken by a broadcaster or media facility.

3:00 pm – 3:45 pm
Michael Wellings, Engineering Director, ResearchChannel consortium, presents, “Codec Performance.”
The engineers at the University of Washington and the ResearchChannel have analyzed HD codec performance and documented their results. Engineering Director Michael Wellings presents this data, along with an illustrative HD video showing codec loss using the SMPTE StEM uncompressed Mini-Movie. In addition, attendees are invited to learn about ResearchChannel (a consortium of major research and educational institutions), its purpose and its accomplishments in the field of advanced visualization and high resolution delivery over high-speed networks.

3:45 pm – 4:30 pm
John Wadle, Vice President of Technology, OmniBus Systems, presents, “File-Based Transmission Process.”
This presentation will explore the impact and benefits of deploying a software-based transmission system in conjunction with file-based content workflows. Using the example of a typical transmission sequence of primary and secondary events, we will examine the steps involved in content acquisition, preparation, storage and staging of the content elements required and the processing of those elements by a software-based transmission system.

4:30 pm – 5:15 pm
Leonard (Joe) Fabiano, Chief Technology Officer, Pathfire, presents, “Pathfire’s Distribution of Files and the Impact on File Based Workflow.”
We have been through the wars implementing a cross-vendor system which allows content from many source devices to be processed, objectified and distributed via IP network. At the receive end, the high-level features are 16 channels of compressed editable audio (E2), MPEG2, high profile, high level content, 4:2:2 encoding, full metadata content including show rundown and EDL for reassembly of show and ad content. This content is spliced, transcoded and delivered to 8 different server platforms for playback. Four of those servers can take the content delivered over the network and splice and play it out natively with no transcoding required. The VANC includes, closed captions (608 and 708 flavors), Broadcast flag and audio metadata. This system also operates with content being moved automatically through receive gear, transcoding, splicing, file-transfer to server, automation system notification & update and play-out-to-air using an early BXF implementation known as Automation Connect.
multimedia services to consumers in cooperation with U.S. wireless operators. In this role, Mikkelsen is responsible for the development of the broadcast operations and engineering areas including related infrastructure.

**Afternoon Moderator**

**Lewis Zager**

Lewis Zager is an independent consultant who specializes in digital television production, distribution and transmission. He has served in various technology positions in public television, most recently as Director of the DTV Strategic Services Group at PBS. Prior to joining PBS, Lew served as Vice President, Technology at WETA in Washington, D.C., where he managed the transition to full-time DTV broadcasting and all digital multi-channel master control operations.

**Ennes Workshop Chairman**

**Frederick M. Baumgartner, CPBE, CBNT**

Fred Baumgartner, CPBE, CBNT, is a Fellow of the Society of Broadcast Engineers, Radio Club of America and a trustee of the Ennes Foundation. Fred is Director of Broadcast Engineering for Qualcomm’s MediaFLO project. Previously, he directed Leitch’s (now Harris) Systems Engineering group. Up to that time, he served as Director of Engineering for the Comcast Media Center in Denver, as its Director of New Product Development through the center’s AT&T ownership and Director of Broadcast Satellite Operations during its TCI ownership era. Before joining the satellite and cable origination world, Fred held the position of Engineering Manager at KDVR-TV and KFCT-TV, Denver, WTTV-TV, WTTK-TV, Indianapolis, KHOW AM & FM, Denver; WIBA AM & FM, Madison, Wisconsin, and Operations Manager at KWGN-TV, Denver; and others beginning with the overnight gig and a newly minted FCC 1st Class license at WBIZ AM & FM, Eau Claire, Wisconsin in 1972. Fred was also heavily involved with the development of EAS, and has authored several hundred articles on Radio and TV engineering.

**Morning Moderator**

**Tom Mikkelsen**

Tom Mikkelsen is senior director for Broadcast Operations for MediaFLO USA, Inc., a wholly-owned subsidiary of QUALCOMM, offering interactive wireless multimedia services to consumers in cooperation with U.S. wireless operators. In this role, Mikkelsen is responsible for the development of the broadcast operations and engineering areas including related infrastructure.

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Local SBE National Meeting places spotlight on local chapter events

By John L. Poray, CAE
SBE Executive Director

Each year the SBE stages an “SBE National Meeting” in conjunction with a chapter-sponsored regional convention. We’ve been using this format since 1997 and it has proved to be an effective way to meet several Society objectives.

Late in the year 1996, the SBE national leadership at the time needed to develop a new event to recognize achievements by members and chapters at the national level, conduct the annual membership meeting, install the new Board of Directors and hold the fall meeting of the Board of Directors. “World Media Expo,” the multi-organization event consisting of the SBE National Convention, SMPTE National Convention, NAB Radio Show and the RTNDA National Convention, was ending its three-year run. The SBE Board at the time, led by president, Terry Baun, CPBE, CBNT, AMD, decided on the national meeting concept as a way to spotlight the regional conventions that a handful of SBE chapters were presenting on an annual basis, and at the same time, meet the national organization’s need for a sufficient stage to recognize members and meet the Society’s other operational needs.

Since 1997, the SBE National Meeting concept has moved around the country, capably hosted by the chapters who have willingly taken on the extra work and responsibility. Fitting in the additional meetings and events isn’t always an easy task. Producing an annual trade show with technical paper presentations is a big enough job for anyone, but especially for people who have full-time broadcast engineering jobs of their own. To take on the needs of the SBE National Meeting to their already full plate is a testament of their commitment to the Society and its value to members.

So, after 11 national meetings, they have worked quite well. From all accounts, the chapters that have hosted national meetings have had a positive experience and the objectives of the national organization have been met. Our thanks go to the many members who have volunteered their time to make this so.

On to 2008!

The 12th edition of the SBE National Meeting will be held in Madison, Wisconsin, hosted by the Wisconsin Broadcasters Clinic. The Clinic has a very long history, more than 50 years, of presenting a highly regarded educational forum for broadcast engineers. It attracts broadcast engineers from across the state of Wisconsin as well as many others from the Upper Mid-West.

The “Clinic,” which for many years was presented by the University of Wisconsin – Madison, is now conducted by the Wisconsin Broadcasters Association, which has a tremendous partner in SBE Chapter 24 of Madison.

The 2008 Broadcaster’s Clinic will be held October 14-16 at the Marriott Madison-West Hotel. The SBE National Meeting’s official functions will be held on the 14th and 15th. This will be the third time that the “Clinic” has hosted the SBE National Meeting since 1997 and we’re looking forward to it. You’ll see more information about it in the coming months. We hope to see many of you there.

<table>
<thead>
<tr>
<th>Year</th>
<th>Host Chapter/Meeting Location</th>
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<tbody>
<tr>
<td>1997</td>
<td>Chapter 22, Syracuse, NY</td>
</tr>
<tr>
<td>1998</td>
<td>Chapter 16, Bellevue (Seattle), Wash.</td>
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<tr>
<td>1999</td>
<td>Chapter 24, Madison, Wisc.</td>
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<tr>
<td>2000</td>
<td>Chapter 20, Warrendale (Pittsburgh), Pa.</td>
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<tr>
<td>2001</td>
<td>Chapter 22, Verona, N.Y.</td>
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<tr>
<td>2002</td>
<td>Chapter 9, Phoenix, Ariz.</td>
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<tr>
<td>2003</td>
<td>Chapter 24, Madison, Wisc.</td>
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<tr>
<td>2004</td>
<td>Chapter 11, Marlborough (Boston), Mass.</td>
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<tr>
<td>2005</td>
<td>Chapter 67, Grapevine (Dallas/Ft. Worth), Tex.</td>
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<tr>
<td>2006</td>
<td>Chapter 22, Verona, N.Y.</td>
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<tr>
<td>2007</td>
<td>Chapter 20, Monroeville (Pittsburgh), Pa.</td>
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<tr>
<td>2008</td>
<td>Chapter 24, Madison, Wisc.</td>
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Want to be certified? It’s easy!

BY Chriss Scherer, CPBE, CBNT
Member national Certification Committee and SBE Immediate Past President

You know the benefits of SBE Certification. You have already selected which level of Certification is right for you. You may have already gathered some books or a copy of Cert-Preview to prepare. The only thing you haven’t done is actually apply to take the Certification exam. Why not?

There are many excuses offered. I have been involved with SBE certification in various ways for nearly 10 years, and I’ve heard all the reasons why someone has not taken the final step and submitted the application. Most of the reasons focus on time.

SBE Certification exams are offered through local chapters at various times throughout the year, as well as during an exam session at the spring NAB convention. One question that is frequently asked is why exams are only offered at certain times instead of continuously. There is a simple answer to this, but there are a few points that need to be covered first.

Local Certification exams are proctored by a volunteer from each chapter. This is usually the chapter certification chairman. I’ll stress that this is a volunteer position, like all the efforts within an SBE chapter. As such, the chapter certification chairmen provide a valuable service. Their time is valuable. To help them manage their time commitment, an exam schedule is set so that they can plan their time commitment. Notice that the chapter exam dates are specified in a 10-day range. This is to help the applicant and the chapter certification chairman find a convenient time for both of them.

You should also notice that each exam window has an application deadline that is set about six weeks prior to the exam date. Some people have questioned the need for what seems like a long lead time. How long should it take for the national office to notify the local certification chairman and provide an exam? If it were only one exam and one applicant, six weeks would be an eternity. Each exam session can have hundreds of applicants, and the coordination to arrange a proctor and then prepare an exam for each applicant takes time. It doesn’t always require the full six weeks, but this length of time has proven to be a practical time period with which to work.

Back to the original question: Why are there set exam windows? The volunteer proctors have their own schedules and commitments, and by establishing a fixed window, they can schedule their time more efficiently. Without set sessions, volunteer certification chairmen could be called on to proctor an exam at any time, and perhaps with insufficient notice.

But just because there are set application deadlines doesn’t mean that you can only submit a certification application at that time. You can apply any time for any future exam opportunity. You can submit your application today and then take the exam during the November session if you like. I actually recommend this approach to some people because it sets a target date in the future. Apply today and then prepare over the next several months.

There is actually another reason to have application deadlines. If there were no deadlines at all, the perceived urgency of submitting an application would be lost. Likewise, the corresponding exam session window would probably be overlooked as well. A deadline helps us all to commit to a project and see it to completion.

So what if you submit an application and then two weeks prior to the exam session your schedule has changed so drastically that you can’t make the exam at all? Contact the SBE National Office. Smaller schedule changes can be coordinated with the exam proctor directly. With advance notice, an exam can be always rescheduled.

So while all this ordered efficiency is in place to aid the workflow in the National Office as well as assist the volunteer proctors, there is another option that exists if the SBE schedules don’t meet with yours. Under the private proctoring option, the SBE can arrange to provide a certification exam at almost any time. Private proctoring was originally created to provide additional confidentiality for an exam applicant or to provide an exam session for someone who does not live near an SBE chapter. It can also be applied when there is no other way to match the established schedule. When used, the applicant usually arranges to provide his own proctor, but if the chapter certification chairman is available and willing to serve as the private proctor, then that aspect is covered. If the chapter certification chairman is not available, he or she can work with the applicant to arrange a substitute proctor.

So the question remains, why aren’t you certified? You can’t attribute it to missing a deadline or not being available during an exam session window. The SBE is willing to work with you to help you become certified. Now it’s up to you to take the final step.
New SBE Certification Achievements

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®)
George Bradshaw, Austin, TX – Chapter 79

CERTIFIED SENIOR BROADCAST ENGINEER® (CSRE®)
Robert Fehr, Saint Paul, MN – Chapter 17

SBE CERTIFIED SCHOOL COURSE COMPLETION

SPARTRAN SCHOOL OF AERONAUTICS
Jeffrey Brown, Tulsa, OK – Chapter 56
Derrick Kessler, Tulsa, OK – Chapter 56
Don Litspey, Tulsa, OK – Chapter 56

CLEVELAND INSTITUTE OF ELECTRONICS
Jim Oster, Redmond, WA – Chapter 15

MICHIGAN CAREER AND TECHNICAL INSTITUTE
Joseph Zajac, III, New Baltimore, MI – Chapter 102

DEFENSE INFORMATION SCHOOL
Christopher McDonald, Hampton, VA – Chapter 54

NOVEMBER EXAMS
“Thank You” CHAPTER CERTIFICATION CHAIRS FOR YOUR ASSISTANCE

CERTIFIED SENIOR TELEVISION ENGINEER® (CSTE®)
Robert Nelson, Emporia, KS – Chapter 3

CERTIFIED SENIOR RADIO ENGINEER® (CSRE®)
Gary Blau, Plantation, FL – Chapter 53
Kenneth Sleeeman, Washington, DC – Chapter 37
Jeffrey Tharp, Knightdale, NC – Chapter 60
Michael Tuch, Thousand Oaks, CA – Chapter 47

CERTIFIED BROADCAST RADIO ENGINEER® (CBRE®)
Robert Fehr, Saint Paul, MN – Chapter 17
Steve Westbrook, Smyrna, GA – Chapter 5

CERTIFIED BROADCAST TELEVISION ENGINEER® (CBTE®)
Yezmin Blue, Seattle, WA – Chapter 16
Jeffrey Juniti, Madison, WI – Chapter 24
Cesar Leon, Waterloo, Ontario Canada
John Murphy, Comstock Park, MI – Chapter 102
Wayne Murphy, Wildomar, CA – Chapter 131
Anthony Singleton, Victorville, CA – Chapter 131
Imants Strautin, Linwood, MA – Chapter 11
Terrence Thomas, New York, NY – Chapter 15
Daniel Zillich, Albuquerque, NM – Chapter 34

CERTIFIED AUDIO ENGINEER® (CEA®)
Michael Edler, Washington, DC – Chapter 37

CERTIFIED VIDEO ENGINEER® (CEV®)
Kurt Flansburg, Tacoma, WA – Chapter 16
Carlos Ruiz, Ontario Canada

CERTIFIED AM DIRECTIONAL SPECIALIST® (AMD)
Stephen Poole, Warrior, AL – Chapter 68

CERTIFIED 8-VSB SPECIALIST® (8-VSB)
Elsir Hadziselimovic, Taylorstown, UT – Chapter 62
Michael Hansen, Farmington, UT – Chapter 62
David Haroldson, West Valley, UT – Chapter 62
Robert Lewis, Park City, UT – Chapter 62
John Lloyd, Jr., Sandy, UT – Chapter 62
Dennis Maddox, Fountain Inn, SC – Chapter 86
Melvin Parkes, Layton, UT – Chapter 62
David Tancig, Columbia, SC – Chapter 101

DIGITAL RADIO BROADCAST SPECIALIST® (DRB)
Cris Alexander, Aurora, CO – Chapter 48
John Arndt, Philadelphia, PA – Chapter 18
Ralph Brancato, Jr., St. Louis, MO – Chapter 55
Ralph Hogan, Pullman, WA – Chapter 117
Alan Jurison, Syracuse, NY – Chapter 22
Hal Kneller, Punta Gorda, FL – Chapter 127
Alan Lane, Huntersville, NC – Chapter 45
Christopher Tarr, Mukwonago, WI – Chapter 28

CERTIFIED BROADCAST NETWORKING ENGINEER® (CBNET®)
Roger Adams, Franklin, TN – Chapter 103
Bobby Allen, Jr., Lakeland, TN – Chapter 64
Gary Blau, Plantation, FL – Chapter 53
Matthew Burrough, Washington, DC – Chapter 57
Philip Davis, Smyrna, GA – Chapter 5
Lazar DeLa Vega, Miami Lakes, FL – Chapter 53
Patrick DelRosa, Kennesaw, GA – Chapter 5
Anthony Dillingard, Covington, GA – Chapter 5
Rubin Garcia, Aventura, FL – Chapter 53
Robert Goessler, Schenectady, NY – Chapter 58
Bruce Hanselman, Lawrenceville, GA – Chapter 5
Dan Kuznicki, Streetsboro, OH – Chapter 70
Sheila McCray, Miami Gardens, FL – Chapter 53
James Moore, Eclectic, AL – Chapter 118
John Morris, Miami, FL – Chapter 53
Robert Nelson, Emporia, KS – Chapter 3
Kwame Ross, Champaign, IL
Edward Bupp, Austin, TX – Chapter 79
Thomas Sadler, New Baltimore, MI – Chapter 82
Mark Turner, Syracuse, NY – Chapter 22
Jason Vannos, Humble, TX – Chapter 67
Jeffrey Vansyche, Sparta, MI – Chapter 102
Derrick Warren, Johns Creek, GA – Chapter 5
Ronald Williams, Griffin, GA – Chapter 5

CERTIFIED BROADCAST TECHNOLOGIST® (CBT)
Steven Miller, Clinton, MS – Chapter 125
James Parker, Homewood, AL – Chapter 68

CERTIFIED TELEVISION OPERATOR® (CTO®)
Brett Erig, Columbus, GA – Chapter 5
David Hindi, Cameron Park, CA
Michael Pimentel, New York, NY – Chapter 15
Kokon Kotia Zande Soumsa, South Pasadena, CA – Chapter 47

CERTIFIED ENGINEER® (CE®)

CERTIFIED PROFESSIONAL BROADCAST ENGINEER® (CPBE®)
Anthony Dilligard, Covington, GA – Chapter 5
Patrick DeRosa, Kennesaw, GA – Chapter 5

8-VSB SPECIALIST® (8-VSB)

STEVEN SCOTT, Las Vegas, NV – Chapter 128

CERTIFIED SENIOR TELEVISION ENGINEER® (CSTE®)
Douglas Greene, Littleton, CO – Chapter 48

CERTIFIED BROADCAST RADIO ENGINEER® (CBRE®) AND DIRECTIONAL SPECIALIST® (AMD)
Scott Barton, Eastman, GA – Chapter 70

CERTIFIED RADIO OPERATOR® (CRO)

TERRENCE THARP, Knightdale, NC – Chapter 60

CERTIFIED RADIO OPERATOR® (CRO)

Leigh Browning, Canyon, TX
Trevor Mael, Meadow Vista, CA
Ryan Sczomak, Plymouth, MI
CBS RADIO-LOS ANGELES
Chris Caplan
Jonathan Kandrow
Ashley Wallen

CERTIFIED TELEVISION OPERATOR® (CTO®)

Ezzat Abdalla, Burke, VA
Adam Bravo, Providence, RI
Eric Burt, Ravenna, OH
Timothy Cline
William Combes, Cullowhee, NC
Jessica Coo, Sylvan, OH
Tripp Freeman, Cullowhee, NC
David Gonzales, Phoenix, AZ
Christopher Hamilton, Cullowhee, NC
Richard Jivan
Carlos Kindig, Wadsworth, OH
Jessica Maier, Twinsburg, OH
Joseph Mullins, Cullowhee, NC
David Ostby, Spokane, WA
Clifton Reed, Boulder, CO
Tom Romero, Reno, NV
Bob Strasser, Charlotte, NC
Gregory Tomlin, Asheville, NC
Kathy Wheelock, Charlotte, NC
Margaret Yabs, Frisco, TX

KENT STATE UNIVERSITY
John Behnken
Frank Bochard
David Burkhardt
Kyle Collins
Jonathan Jivan
Clifton Kinchen
Steven Kozak
Ryan Lloyd
Edward Mills
Tim Muir
Daniel Pellegrino
Matthew Seward
Rebecca Vickner
Robert Zvolensky

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

CERTIFIED PROFESSIONAL BROADCAST ENGINEER® (CPBE®)
Steve Scott, Las Vegas, NV – Chapter 128

CERTIFIED SENIOR TELEVISION ENGINEER® (CSTE®)
Douglas Greene, Littleton, CO – Chapter 48

CERTIFIED BROADCAST RADIO ENGINEER® (CBRE®) AND DIRECTIONAL SPECIALIST® (AMD)
Ljube Georgievski, Clermont, FL – Chapter 42

CERTIFIED AUDIO ENGINEER® (CEA®)
Daniel Nevels, Tampa, FL – Chapter 39

CERTIFIED BROADCAST TECHNOLOGIST® (CBT)
Adolph Garza, San Angelo, TX – Chapter 67
Jeffrey McPherson, Richmond, VA – Chapter 60
Ronald Manasco, Carbon Hill, AL – Chapter 118
John Parker, Murphy, NC
Carlos Rios, Salinas, PR – Chapter 142

CERTIFIED TELEVISION OPERATOR® (CTO®)
Bryan Evans, Lancaster, PA
Lynn Lamb, Billings, MT
Jeffrey Pillwnt, Westerville, OH
Robin Rosen, Boca Raton, FL
Carlos Semidei, Ponte Verda Beach, FL

FEBRUARY 2008

13
Candidates sought for SBE National Board

BY Chriss Scherer, CPBE, CBNT
Chairman of the Nominations Committee and Immediate Past President

Because you’re a member of the Society of Broadcast Engineers you already know the advantages of membership in our professional organization. But your participation in the SBE can extend beyond simple membership. The SBE exists because of the volunteer efforts of its members. Participation at a local chapter is always welcomed. But perhaps you have thought about doing more – perhaps even on the national level.

The SBE Nominations Committee is currently seeking candidates to run in the summer elections for the upcoming terms. The SBE is governed by a 17-person board of directors that determines the policies and programs for the national organization. Capable members, from all corners of the field of broadcast engineering, are needed to serve.

Of the 17 members of the board, 12 serve as directors and four serve as officers. Rounding out the board is the immediate past president. All of the directors serve in an “at-large” capacity. To be eligible, candidates for national office must be Regular, Senior or Life members of the SBE, or be the designated representative of an SBE Sustaining Member in good standing. All candidates must hold a current SBE engineering-level certification and must maintain that certification through all terms of office. Directors serve terms of two years and are expected to attend two full meetings of the board each year. These meetings are held in the spring during the NAB Show, and in the fall during the SBE National Meeting. Terms of officers are one year. Officers are expected to attend the two full meetings of the board plus two meetings of the executive committee, which are held during the winter and summer.

Members of the board may be appointed by the president to serve as a chairman or as a member of a national committee. All those who serve must be willing to cover their own travel expenses to attend the meetings. Some employers and chapters have helped cover this expense for some members of the board in the past.

Are you interested? If you meet the eligibility requirements, contact me at cscherer@sbe.org or contact one of the committee members and we’ll tell you more.

The Nominations Committee must submit its list of candidates to the National Office by April 30, so if you are interested, be sure to contact someone on the committee before that date. Election ballots will be mailed no later than July 29 to all voting members. The results will be known on August 28 when all the ballots mailed to SBE National Headquarters are counted by an official board of tellers. Those elected will be inducted into office on October 15 during the SBE National Meeting, which will be held in Madison, Wisc., in conjunction with the Wisconsin Broadcasters Clinic, sponsored by Chapter 24 of Madison and the Wisconsin Broadcasters Association.

I hope you will seriously consider contributing your leadership and experience to the Society by offering to serve as a member of the national board of directors. Not only will your Society benefit, but you will too, as you develop friendships and strengthen your professional networking with other members from around the country.

SBE Certification 2008 Exam Dates

<table>
<thead>
<tr>
<th>Dates</th>
<th>Location</th>
<th>Application Deadline</th>
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</thead>
<tbody>
<tr>
<td>February 8-18, 2008</td>
<td>Local Chapters</td>
<td>CLOSED</td>
</tr>
<tr>
<td>April 15, 2008</td>
<td>NAB</td>
<td>February 29, 2008</td>
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<tr>
<td>June 6-16, 2008</td>
<td>Local Chapters</td>
<td>April 18, 2008</td>
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<tr>
<td>August 8-18, 2008</td>
<td>Local Chapters</td>
<td>June 6, 2008</td>
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<tr>
<td>November 7-17, 2008</td>
<td>Local Chapters</td>
<td>September 19, 2008</td>
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**Chapter 78 will be giving exams during the Virginia Regional, July 17, 2008. Please have your application into the National Office by June 26, 2008**

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ANSWER from page 6
session rooms, located on the second floor of the South Hall of the Las Vegas Convention Center. Some special prizes are in the works so be sure to include the SBE Membership Meeting on your NAB convention schedule.

**SBE Exhibit Booth**

Attendees of the 2008 NAB Show are invited and encouraged to stop by the SBE exhibit booth while at the show. Members can connect with the SBE Board, Certification Committee members and staff at the booth. The SBE booth will include the SBE Book Store, SBE logo items and the very popular “CertPreview” exam preparation CDs that now include the AM Directional and 8-VSB SBE Specialist exam sections. Also available will be our SBE published books including the SBE Television Operators Handbook, Handbook for Radio Operators and the SBE Chief Operators Handbook.

**Booth Hours**
Sunday - 2 p.m. to 4 p.m.
Monday - Wednesday 9 a.m. to 6 p.m.
Thursday - 9 a.m. to 4 p.m.

**Booth Location**
Booth L-28, located in the LVCC South Hall 2nd Floor Concourse near the entrance to the exhibit floor and the Broadcast Engineering Conference Rooms. See the SBE web site, www.sbe.org for a floor plan indicating the booth location.

**NAB Broadcast Engineering Conference**

SBE is proud to be partnering again with NAB to produce the NAB Broadcast Engineering Conference (BEC). The BEC features a special Saturday in-depth Ennes Workshop as mentioned earlier, plus more than 20 informative sessions covering the latest in broadcast technology beginning Sunday and running through Thursday morning.

This year, the BEC is chaired by SBE member, Steve Fluker of Cox Radio in Orlando, Fla.

Also serving on the committee are Talmadge Ball of Bonneville International, Dave Converse of ABC/Disney Television Stations Group, Al Grossniklaus of WTHR-TV, Indianapolis, Gary Kline, CBNT of Cumulus Media, Wayne Kube of Belo Corporation, John Merrill of KPHO-TV, Phoenix, Paul Shulins, CBRE of Greater Media, Boston.

**SBE Meetings**

SBE will hold a number of meetings during the NAB convention that may be of interest to you. (Meetings located at the Las Vegas Hilton Hotel unless otherwise indicated; list was as of January 11; subject to change)

**Saturday, 4/12**
Certification Committee (partially closed meeting), 6:30 pm to 11:00 pm, Conference Room 7

**Sunday, 4/13**
Board of Directors Meeting, 8:30 a.m. to noon; Conference Rooms 1-2

**Monday, 4/14**
SBE/NFL Game Day Coordinators Meeting, 8:30 a.m. to 11:30 a.m., Conference Rooms 7-8

Ennes Educational Foundation Trust Annual Meeting, 12:00 pm to 1:00 pm, Conference Room 11

SBE/U.S. Department of Defense (closed meeting), 1:30 pm to 3:30 pm, Board Room

**Tuesday, 4/15**
SBE Certification Exams will be conducted from 9 a.m. to noon for those who have pre-registered by the February 29th deadline.

SBE Frequency Coordinators Meeting, 10 a.m. to noon, Conference Rooms 7-8

SBE/U.S. Department of Defense Mtg. (closed meeting), 1:30 pm to 3:00 pm, Conference Rooms 7-8

SBE Membership Meeting, 5 p.m. to 6 p.m., in one of the BEC session rooms, Las Vegas Convention Center. Check the SBE website after February 15th for exact location.

**Registration Discounts for SBE Members**

Members of SBE can register for the NAB convention at a special “partner” rate, a savings of $200 off the NAB non-member rate. To get the discount, SBE members register using the regular on-line registration form found at the NAB convention registration web site, www.nabshow.com/registration.asp. At the bottom of the page, check the “Partner” box. The discount is only available using the on-line registration method. Hotel reservations can also be made through the NAB Housing office by visiting the NAB website.

If your plans include a trip to Las Vegas this year to attend the 2008 NAB Show, we hope to see you there!

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**Renew your membership**

It’s that time of year again, time for Regular, Senior, Associate and Student Members to renew their SBE memberships.

SBE Membership dues for Regular, Senior and Associate Members are $63. Dues for Student Members are $20.

Membership renewal notices were mailed out to all Regular, Senior, Associate and Student members in early February. If you do not receive your renewal notice, contract the SBE National Office at (317) 846-9000.

Membership Renewal for Youth and Sustaining members is due on the anniversary month of joining the Society.
SBE member shares his experience at CES

BY Paul Black, CPBE
SBE Chapter 40 Treasurer

We need to be familiar with the products consumers use to receive our signals we send out over the air or via cable. That’s what the Consumer Electronics Show is all about. CES is held in Las Vegas every January and it had been several years since I had been there, so I decided to go this year.

Just like NAB, the show is divided up into sections. CES classifies consumer products into nine areas: audio, digital imaging, high-performance audio, emerging technology, gaming, home theater and video, wireless, home networking, and in-vehicle technology.

Because of time limitations, I didn’t take in very many of the in-vehicle technology exhibits. Satellite TV and DVD players in cars have become very common now. The only really interesting thing relating to broadcasting, as far as vehicle audio is concerned, is the proliferation of the iPod docks in mobile radios.

In the audio/video hall, the iPod was the only product that has revolutionized the way people listen to music. Just about everything that has anything to do with home audio has an iPod dock in it. There were waterproof radios with iPod docks, CD players with iPod docks, a complete grooming system for men and women (consisting of a rechargeable electric shaver and electric trimmer) with an iPod dock, and my particular favorite; a cookie jar, in the shape of an owl, with LED lights for the eyes, containing an AM/FM radio, and an iPod dock.

When it comes to non-vehicle AM/FM radios there, aren’t very many HD radio receivers available (except for those designed to be mounted in vehicles). Among the manufacturers that do have HD receivers available were Jensen, Coby, and Cambridge SoundWorks.

I spoke at length with a Jensen engineer about HD radios, and whether he thought the manufacturing industry had any commitment to them. His comment was, “The only thing that would make us install HD tuners in more of our receivers would be a market-driven demand. For example, if K-Mart came to us and said, ‘If there’s no HD tuner in this radio, it’s a deal breaker’, then we would put it in. It’s strictly a function of demand on the part of the marketplace.” Other manufacturers echoed that same sentiment.

The lack of understanding how the HD radio actually works and its benefits was very common among the manufacturer’s marketing people. One gentleman from Cambridge SoundWorks had a pretty good idea of what HD radio could do, but he did not realize that most stations are only broadcasting the HD signal at a fraction of their normal power. When I made him aware of this, he responded, “That explains why I can’t get it in a lot of places where I live”.

Ibiquity Corporation introduced the first generation of the iTunes Tagging-capable HD radio receivers, which are available from Polk, JBL, Alpine, JVC, and Sony. This allows the listeners to put their iPods into an HD radio. When they hear a song they like, they can push a button that records the title and artist information into the iPod. The listeners can then plug their iPods into their computers and it automatically finds the song and downloads it to their iPods.

On the computer front, Microsoft is now pushing the concept of “home servers”. Many data providers think home networking is one of the major consumer sales opportunities of the future. Whether it’s wireless networks that will connect your computer to your HD tuner (or vice versa), or automating your home so things turn on and off automatically, the computer companies see this as a function of a server, not just the home PC. Microsoft had one display set up showing nothing but dumb terminals – including a portable laptop type – sprinkled throughout the house with a central server doing all the processing.

That’s the model they’re looking forward to.

The top floors of the Venetian Hotel had demonstration rooms set up in the hotel suites, displaying the cream of the

MARK YOUR CALENDAR

February 7
SBE RF Safety Course
2:00pm-5:30pm, EST
This web-based course will be the fifth offering of the course, taught by Richard Strickland, of RF Safety Solutions, an expert in the field of RF safety. You can access a registration form online at sbe.org. Visit the SBE website to register and sign up to attend at one of the locations available.

March 10 & 11
Great Lakes Broadcasting Conference & EXPO
The DeVos Place, Grand Rapids, MI
Hosted by the Michigan Association of Broadcasters, in cooperation with the Society of Broadcast Engineers, Chapter 91, and the Michigan Association of Public Broadcasters.

March 27 & 28
OAB Annual Convention and Engineering Conference
Cox Convention Center/Renaissance Hotel, Oklahoma City
Presented by: Oklahoma Association of Broadcasters and SBE Chapter 56
For more information visit www.oabok.org/Conventions
2008 Leader-Skills Registration

Course Information: Each course includes three days (24 hours) of programming, all seminar materials, completion certificate and classroom refreshments. Class size is limited to a minimum of 10 and a maximum of 18 participants per course.

Name of Participant: ___________________________________________E-mail: ___________________________________________

Company: ________________________________________________Title: ___________________________________

Address: ________________________________________________________________________________________

City:_________________________________State: _____Zip: _____________Daytime Phone: _____________________

If someone other than the participant is filling out this form, please provide the following information:

Company Contact: ___________________________________________Title: ___________________________________

City: ________________________________________________State: _____Phone: ______________________E-mail: ______________________

Course Selection:

☐ Course I: Leadership – The Framework of People Skills, June 3-5, 2008 (Registration deadline: May 1, 2008)

☐ Course II: Leadership – Expanding Your People Skills, August 5-7, 2008 (Registration deadline: July 1, 2008)

Prerequisite: Course I, please list location and year : __________________________________________

☐ Course I and Course II (Registration deadline: May 1, 2008)

Payment Information: Registration for each course is $580. Payment is required in advance via credit card or check (payable to SBE).

Total: $__________ by (check one):  □ Check  □ Visa  □ MasterCard  □ American Express

Credit Card No.:__________________________________________________Exp. Date: _________Security Code:_______

Print Cardholder Name: ________________________________Signature: ______________________________________

NOTE: Cancellation, with no substitution, within 10 days of the seminar will result in forfeiture of full registration fee; a $50 charge may be applied if cancellation, with no substitution, occurs more than 10 days from the seminar.

Housing Information: Reservations, if requested, will be made for you at the Holiday Inn Select Indianapolis Airport (site of the Leader-Skills Seminar) by the course organizers. Cost for accommodations is $115 per night, plus tax.

Request Housing – Course I:  □ No  □ Yes, please reserve (circle one) single / double  Date Arriving:____ Date Departing: _____

– Course II:  □ No  □ Yes, please reserve (circle one) single / double  Date Arriving:____ Date Departing: _____

Room guarantee required (check one):  □ Visa  □ MasterCard  □ American Express

Credit Card No.:__________________________________________________Exp. Date: _________Security Code:_______

Print Cardholder Name: ________________________________Signature: ______________________________________

If you have special needs, please specify: __________________________________________________________________

Mail to: SBE Leader-Skills Series, Society of Broadcast Engineers, 9102 North Meridian Street, Suite 150, Indianapolis, IN 46260

Or Fax to: (317) 846-9120

Questions: Holly Essex at hessex@sbe.org or (317) 846-9000

Office Use Only: Date Received: ______

Registrant Confirmation: ____________________________

Hotel Confirmation: ____________________________
Make your company better and become a better leader by attending the valuable seminar created specifically for broadcast engineers. “My leadership skills improved and now our department will excel,” said Michael Linz, who attended both Leader-Skills Courses in June and August of 2007.

“Every aspect was beneficial and relevant,” he said. Linz was one of 10 who attended the Leader-Skills Seminars in Indianapolis.

The Leader-Skills Series is in its 12th consecutive year with SBE. It is specifically designed for broadcast engineers who have or aspire to have management responsibilities. “The leadership training here is spectacular,” said Jim Skinner, who attended Course I last year.

Many of the most respected broadcast engineering managers in the country today are graduates of the program and continue to send members of their staffs to the seminars. “This is what I needed, and now my team will be on the front lines,” said Benjamin Higley, who also attended Course I last June.

The Leader-Skills Seminars are designed to take technically proficient people and instill in them sound supervisory and management skills. “The series opened my eyes to a whole new way of looking at leadership and challenged me to act,” explained Rich Parker, an attendee from 2006.

The series can also be viewed as a tool for personal growth and development, even for those without prior management or supervisory responsibilities. “The session ‘Dealing with Differences’ gave me a better look into myself to see what I need to improve my people and productive skills and how to read people affectively,” past attendee David Sturgeon said. “It was one of my best experiences ever.”

SBE offers the two-part series in cooperation with instructors Richard D. Cupka and Rodney Vandeveer. “Dick Cupka is one of the most influential people I have ever in my life had the pleasure to learn from. Rodney Vandeeveer is also most excellent,” said Linz. “I have never been so moved by a speaker and educator in my life.”

Known for his unique style of teaching, Cupka has directed and taught the Leader-Skills seminars to broadcast engineering managers, supervisors and technicians for over 40 years. “Dick Cupka has been one of the most effective people in my life. I learned more than I ever expected. This program is superb,” said Sturgeon. This summer is Cupka’s last year instructing the Leader-Skills Seminars before he fully retires, then Vandeeveer will continue on instructing the series in the future years.

This year, Course I, “Leadership – The Framework of People Skills” will be held June 3-5 at the Holiday Inn Select in Indianapolis. It covers the function and nature of your leadership role; how to build stronger teams and effective internal cooperativeness; the complex differences of people; and discovery of your natural style of leading and how to nurture a developed style to help you adjust to different people in differing situations. “[Because I attended] I will be a better manager and leader with greater insight,” explained Parker.

Course II, “Leadership – Expanding Your People Skills” picks up where Course I leaves off and will be offered from August 5-7. Each course is limited to a minimum of 10 and a maximum of 18 participants, so register early. “I wish I’d done this years ago, but I’m glad I finally did it,” said Parker.

The cost of the registration is $580, which includes three days of instruction, all course materials, a certificate of completion and classroom refreshments. All transportation, housing and meals are the responsibility of the participant. However, a single or double room can be reserved through SBE at the Holiday Inn Select Airport, where the course will be held, at a rate of $115 per night.

If you would like more information on the SBE Leader-Skills Series, please contact Holly Essex at (317) 846-9000 or hessex@sbe.org.
The strength of any organization is often said to be in its leadership. While that is a part of it, the most important item is its membership. So it is with the Society of Broadcast Engineers.

SBE was created and exists for the benefit of all the individual members. Without them the society has no purpose. The local chapter is also the same. We should always encourage members to become involved and thank them for being a part of their local chapter.

There will always be those members and chapters that go that “extra mile” in becoming involved. These are the ones that want to further their development in broadcast engineering and desire to share this with others.

Far too often these activities go unnoticed or unrewarded. I encourage you to look around your chapter and see who is making that extra effort to create an organization that will be of the most benefit to all its members.

You have every reason to encourage someone to join SBE. You would be helping that person, contributing to SBE, and you will be eligible for Membership Drive prizes. In addition to being entered in the Membership Drive prize drawing, you will also receive a five-dollar discount on your 2008 membership renewal for each new member you recruit (up to five).

This year’s Grand Prize is a trip to the SBE National Meeting in Madison, WI October 14-15, which includes airfare for one to Madison (from within the continental US) and two nights stay at the Marriott Madison West Hotel.

With so many great and rewarding reasons to reach out and recruit new members to join SBE’s growing team, everyone’s a winner.

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**MEMBERSHIP DRIVE PRIZES**

**GRAND PRIZE**
- Trip to the 2008 SBE National Meeting in Madison, WI October 14 – 15

**OTHER PRIZES**
- Antenna Engineering Handbook courtesy of McGraw-Hill
- Digital Signage Broadcasting by Lundstrom Courtesy of Elsevier
- HD Radio Implementation by Thomas Ray Courtesy of Elsevier
- Basic NEC with Broadcast Applications by JL Smith Courtesy of Elsevier
- Directional Antennas Made Simple by Jack Layton
- The Public Inspection File by Jack Layton
- Telso ProFiler Automated Program Archiver software Courtesy of Telos Systems / Omnia / Axia
- $100 Gift Certificate to L.L. Bean Courtesy of Shively Labs
- $100 Gift Certificate to Amazon.com Courtesy of Dielectric
- (2) Logo Polo shirts Courtesy of Kathrein Scala
- (1) Logo pull over fleece Courtesy of Kathrein Scala

**MORE TO COME**
INSTRUCTIONS: Use one form per nomination. Photocopy this form for additional nominations. Please include all pertinent information about your nomination, as well as yourself. Supply as much information as possible, as this will assist the Awards Committee in its selection process. Nomination materials will be photocopied for each judge; if you wish each judge to have an original of any of your support materials (such as newsletters, CDs or anything printed in full-color), please send five sets. Nominations may be disqualified if requested support material is not provided.

SUBMISSIONS: Mail completed entries to: The Society of Broadcast Engineers, Inc., Attn: Awards Committee, 9102 North Meridian St., Suite 150, Indianapolis, IN 46260. For questions concerning nominations, contact: Megan E. Cappe, Certification Director, at mcappe@sbe.org or (317) 846-9000 or Larry Wilkins, Awards Committee Chair, at larry.wilkins@charter.net or (513) 246-9274.

DEADLINE: Materials must be received by the National SBE Office by May 31, 2008. Winners will be announced in July and awards presented October 15, 2008, at the 2008 Awards Dinner during the SBE National Meeting, being held in conjunction with the Broadcasters Clinic in Madison, WI.

OFFICIAL RULES: Nominations valid only for achievements/data occurring from Jan. 1, 2007 through Dec. 31, 2007. Only active SBE Members and Chapters in good standing (having reported at least five [5] chapter meetings for 2007) are eligible for awards. Class awards are determined using the median chapter size as of Dec. 31, 2007, as the dividing line between Class A (less than the median) and Class B (greater than the median). The decision of the judges is final.

COMPLETE THE FOLLOWING INFORMATION

AWARD:

NOMINATION (CHAPTER OR INDIVIDUAL NAME):

SUPPORT ITEM A:

ITEM B:

ITEMS C & D: Please submit descriptions on a separate sheet; other items requested may be originals or photocopies.

I, ____________________________, respectfully submit the above nomination for consideration by the National SBE Awards Committee.

Daytime Phone: ____________________________ E-mail: ____________________________ Chapter Name and No.

Address: ____________________________ City/State/Zip: ____________________________ Date Submitted: ____________________________

FEBRUARY 2008 21
Huh? Waivers for CARS applications; waivers for Part 15 applications; what is the difference? At least 5 GHz doesn’t create a preclusive use of perhaps the heaviest-used spectrum below 10 GHz and on which millions of Americans rely daily for broadcast news and information. Anyway, Clarity brushed off other alternatives as well, such as the 2496-2690 Broadband Radio Service (BRS) band, reasonably suggested by SBE. The long and short of it is that Clarity is unwilling to reconfigure its architecture, which would be cheaper to deploy than it would be at 5 GHz, and it wants one-off regulatory authority. The Media Bureau asked for comment about alternative services such as the IdleAire Technologies Corporation program distribution service, which is an entirely reasonable substitute for the Clarity proposal. SBE showed the Commission why the IdleAire system was a perfectly reasonable alternative system that didn’t have any of the downsides that Clarity’s waiver proposal has. SBE noted as well that there are now available KVH Industries Low-Profile DBS receiving systems for buses, trucks and RVs, which make it entirely possible for long-haul truckers to have DBS video instantly in their trucks. But Flying J wants the truckers to be bound to Flying J truck stops, not watching TV at some bucolic rest stop someplace where the truckers aren’t going to spend any money.

Clarity continues to maintain that its system will not cause interference to BAS. That has not been shown to be possible in past testing, and since BAS ENG is itinerant, mobile, and unpredictable in its deployment, having it restricted by 257 truck stop transmitters is so obviously flawed that one would think that affirming the Media Bureau would be chip shot. Not so. Clarity hired a lobbyist with ties to FCC Chairman Kevin Martin, and she began a lobbying blitz that continues to this day. In September, Clarity filed modifications to its 257 waivers (which should have resulted in immediate dismissal of the Application for Review, because you can’t change your proposal after the Bureau has ruled on the initial version of it) proposing to limit the maximum signal levels at the fence line of the parking area of each truck stop to not more than -62.65 dBm, and a power limit of 100 mW/channel with an antenna height of 15 meters or less.

And oh, the letters. Clarity submitted big batches of letters from long haul truckers (mostly e-mails) from numerous states asking the FCC to go ahead with this. And a pleading blitz from Clarity’s communications lawyers continues as well, despite rules which say that after the pleading cycle on Applications for Review is concluded (which was long ago), you can’t file anything else. So, a company with a completely untenable waiver proposal, which stands to preclude ENG operation in at least 257 locations, without filing a rulemaking petition to obtain an allocation for this purpose (and which, if granted, would not allow other companies to have the same opportunities as Clarity does) might well pull this scam off. Recently, while meeting with FCC Commissioners’ legal assistants on another matter, I heard one legal assistant say with great enthusiasm that she thought Clarity’s proposal was “a great idea.” But she is just a lawyer, and therefore easily impressed by Clarity’s sophistry. In any event, she cannot have read the SBE and MSTV filings on this subject.

Perhaps the Commissioners will give some serious consideration to this, rather than just listen to Clarity’s fluff. Until they decide, let’s continue to have faith, and hope and believe that the administrative process will work. Let’s see.

[H2]

Chris Tarr, CBRE, DRB, CBT, CBNT is this year’s recipient of the SBE Chapter 28 Wulliam Award. The award is named in honor of Jim Wulliman, a retired prominent Milwaukee engineer and past national SBE president.

Ed Sharpe won the Rocky Moutain Emmy(R) Award for Breaking News/ Continuing Coverage. Sharpe also won the international Ava Awards for its Internet Television Channel KKAT-IPTV and Glendale Daily Planet, which are an online news source for Glendale, Arizona.

If you or someone you know moved, changed positions, or been honored in some way in the broadcast engineering industry, submit details to Member on the Move at hessex@sbe.org or Attn Holly Essex, 9102 North Meridian St., Suite 150, Indianapolis, IN 46260

CES from page 17

Crop products. These were extreme high-end audiophile and home theater sections. There were 15-foot audio cables that cost $500, speaker systems in the $7,000 range, tube amplifiers in the $20,000 range, and one extremely interesting item; a turntable manufactured by a company called Basis Audio that costs - are you ready? - $12,500. And that did not include the power supply. That’s an extra $3500. You can see this amazing device at www.basisaudio.com.

I believe that every working radio and TV engineer should go to CES at least once every few years. We need to remember that while we’re busy sending stuff out over the air and via cable to the consumer, what they’re using to receive our signals are things that we should have some familiarity with.
Essex joins SBE staff

BE is pleased to welcome Holly Essex to its national office staff. Holly joined SBE on December 2007 as Communications Manager. She is responsible for the production, advertising sales and editing of SBE print publications including, the Signal, SBE Connector and the SBE Membership Directory & Buyers’ Guide, as well as promotional flyers, forms and marketing materials. Holly will also manage the SBE website, www.sbe.org and provide staff support to the SBE Leader Skills Course, SBE Sustaining Members and produce the Society’s press releases.

Holly is a graduate of Franklin College, Franklin, Ind. with a B.A. Degree in Visual Communications and Advertising/Public Relations. She comes to SBE from Gannett Corp. in Indianapolis, where she worked as an imaging specialist.

We are pleased to have Holly join the SBE national office staff and wish her well as she tackles her new responsibilities.

In the Circle ... a snapshot of an SBE Member

Kent Randles, CBRE
Senior Engineer
Entercom
Communications
Portland, OR
SBE Chapter 124
Joined SBE in 1979

Best known for:
Newsletter editing, won “Best Newsletter” award in 1998; organizing an annual BBQ; and coordinating EAS in the Portland market.

Focal Point: The networking opportunities with friends and colleagues.

Getting Started: As a kid, I like music and anything electrical/electronic - radio broadcasting had both!

Sphere of Influence: As a kid, my mentor was my Junior High School Electronics teacher, the late Don Stansifer NRU, who taught me electronics and Morse code. As an adult, my mentor is Hank Schwartz WA6UWB, who gave me my first radio engineering job.

Job Satisfaction: There is something different to learn almost everyday.

When I’m not working: My favorite hobbies are Ham radio (K7YXZ), photography, and bicycle riding.

You may not know... I found my birth-mother when I was 35, and discovered that I had a “full” sister five years younger.

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