BE is well-aware that broadcast engineers are typically responsible for broadcast auxiliary operations (BAS), and that 2 GHz TV BAS service is at the heart of local news, sports, and weather coverage that are the essence of broadcast localism. Last week, SBE and its strategic partners, Sprint Nextel, NAB and MSTV achieved a major victory for BAS licensees across the country by convincing the FCC to recognize the inordinate complexity of reconfiguring BAS systems and extend the deadline for Sprint Nextel to relocate BAS licensees to spectrum between 2025 and 2110 MHz until March 5, 2009. The FCC also stated that it might extend the deadline until August 2009 so long as all parties continue to work in good faith to move BAS above 2025 MHz as

Many SBE events, meetings held throughout the 2008 NAB Show

The 2008 NAB Show is quickly approaching and now is the time to familiarize yourself with the many events and meetings the Society of Broadcast Engineers will present at this year’s show. To start the Show, SBE will present the special in-depth Ennes Workshops on Saturday on the topic of “File Based Workflow.” Throughout the rest of the convention, SBE will also be holding a number of informative meetings such as sessions covering the latest in broadcast technology.

SBE Exhibit Booth

This year’s prominent booth will be on the second floor of the South Hall, booth L27. Be sure to plan to visit the SBE booth while at the convention. Members can connect with the SBE Board,

FCC Extends 2 GHz BAS/LTTS Transition Date to March 5, ’09

BY Chris Imlay, CBT
FCC Liaison Committee Chairman
SBE General Counsel

SBE is well-aware that broadcast engineers are typically responsible for broadcast auxiliary operations (BAS), and that 2 GHz TV BAS service is at the heart of local news, sports, and weather coverage that are the essence of broadcast localism. Last week, SBE and its strategic partners, Sprint Nextel, NAB and MSTV achieved a major victory for BAS licensees across the country by convincing the FCC to recognize the inordinate complexity of reconfiguring BAS systems and extend the deadline for Sprint Nextel to relocate BAS licensees to spectrum between 2025 and 2110 MHz until March 5, 2009. The FCC also stated that it might extend the deadline until August 2009 so long as all parties continue to work in good faith to move BAS above 2025 MHz as

See FCC on page 20

See NAB on page 12
the SIGNAL

Testor

The world's smallest fully featured test pattern generator

- 2 independent SDI outputs
- SDTV and HDTV formats
- Character generator
- 8 channel audio test generator
- 4 AES audio outputs
- 16 channel audio embedder
- Analog sync output
- 48KHz Word Clock ref output
- 30 static test patterns
- Dynamic test patterns
- IRT Audio sync test pattern
- CF disk slot to load your own files
- Genlock and cross lock capable

Plus a variety of power options including two self contained hard cases for the video road warriors out there

www.lynx-technik.com

Next Generation EAS
CAP Compatible

The Broadcast Advantage
- IP-Based
- LINUX Controlled
- Web Browser Operated
- Web-Based Service and Upgrades
- EAS Alert Diagnostics
- AES audio & MPEG over IP options

Over 600 Systems Delivered.

MultiStation - one DASDEC provides individual EAS control for up to 5 co-located stations.

EAS CentralCasting - remote DASDEC alert collection with LAN/WAN forward to a central broadcast insertion DASDEC.

Compatible with HazCollect, IPAWS, and DEAS.

Digital Alert Systems

Digital Alert Systems, LLC - P.O. Box 5107 Oracle, AZ 85623-5107 - www.digitalalertsystems.com
Marietta, Georgia site of June 6 Ennes Workshop

For the second consecutive year, SBE Chapter 5 in Atlanta and the Georgia Association of Broadcasters (GAB) will be sponsoring an Ennes Workshop as a part of the GAB Annual Convention. This year, the workshop will be held June 6 at the Marietta Conference Center and Resort in Marietta, Georgia. The program, presented in cooperation with the national Society of Broadcast Engineers, will feature a full day of technical presentations of interest to broadcast engineers and technicians. Those working in television or radio, as well as in related fields, will find the Ennes Workshop an excellent educational experience. Attendance at Ennes Workshops qualifies for SBE recertification credit.

The program for the Georgia workshop is being developed as of this writing. The complete program and registration information will be posted on the SBE website, www.sbe.org in mid-April, in the calendar and education sections. Presentations made at the 2007 Georgia Ennes Workshop included improvements to FM and HD signal quality, digital video transport basics, audio over IP, engineering considerations for digital microwave STL, TSL and ICR, monitoring and analysis of MPEG video systems and networking and data transmission for HD radio, among others. This year’s event will have a lineup of topics just as informative and timely.

Ennes Trustee, Fred Baumgartner, CPBE, of Qualcomm, MediaFlo USA, is organizing the program and will serve as moderator. Local organizational support is being provided by SBE Chapter 5 Chairman, Bill Magliocco, CPBE, 8-VSB, CBNT; Vice-Chairman, Mark Fehlig, P.E., CPBE, CBNT; and Jere Pigue, President of the GAB.

The Ennes Workshop is open to anyone interested in broadcast engineering and technology. Those from outside the state of Georgia are welcome to attend. Marietta is located approximately 18 miles northeast of Atlanta. The Marietta Conference Center and Resort is a AAA Four Diamond rated facility.

Other regional Ennes Workshop locations and dates planned for 2008 include August 27 in Oklahoma City, a date in September to be announced in Hartford, Connecticut and October 24 in Eugene, Oregon. The Ennes Trust and SBE will also present the annual Ennes Workshop on April 12 in Las Vegas. as a part of the NAB Broadcast Engineering Conference.
Let SBE be the strong resource for you and your company

BY Barry Thomas, CPBE, CBNT
SBE President

I know you’ve all seen the press. TV and radio media seems to be at the front lines of a pending recession. Some large and influential radio companies have announced sometimes massive “restructuring.” Some large media groups are cutting travel budgets and other expenses related to technical staff. The pressure to keep costs down is enormous. Broadcast engineers often get the brunt of this as technical departments are essentially a cost center for station operations. I know we’ve seen budgets for education and travel have been cut all around the industry. Things seem dire.

In times like these, professional organizations like the Society of Broadcast Engineers become a critical resource for you and for your employer. Many employers support membership through reimbursement of dues or certification expenses. During economic downturns such support may wane as a cost-saving measure. If that’s been the case with you, I urge you not to let your membership lapse because now is when you may need us the most. If your employer chooses not to invest in your career, that means you need to do so directly. The one who really stands to gain from your membership is you, although employers gain because your value is increased.

The Society offers career development opportunities through the SBE JobsOnline (sbe.org/career_jobsonline.php) and ResumeBank (sbe.org/career_resume.php). These resources are often ignored until they are needed, but they are an important function of the Society that is supported through your membership dues. Your participation in an ongoing way helps us support and improve our career services.

We often talk about the value of SBE certification and how certified engineers earn more than uncertified engineers. When you need to make a change, I cannot stress enough how important this objective measure of your skills can be. I’m extremely proud of my certification, particularly when I achieved CPBE, which is a level subject to peer review. I hope you are just as proud of your certification and are looking for the next challenge. For me it’s adding the DRB and AMD specialist certifications for which I hope to test soon. Has my certification made the difference between getting the job or not? I can’t say. What I can tell you is it’s given me an edge in some cases over another, seemingly-equal applicant and I’ve been able to get the all-important interview.

SBE membership provides career benefits that extend far beyond the specific programs offered by the National Office. Chapter participation keeps you plugged in to a network of local engineering talent that will not only keep you on top of new opportunities (as an employee or contractor) but will help you develop a knowledge base for solving problems on the job you’re now doing. The natural extension of that knowledge base is demonstrated by the engineers that gather on the ham radio Chapter of the Air and the participants in the SBE Roundtable email list (http://www.sbe.org/Roundtable.php). I have said before that I consider these part of my 24-hour tech support network of skilled, capable, and connected broadcast engineers.

The SBE offers educational opportunities through its chapter meetings, Ennes Workshops, online seminars and published resources. Those opportunities are tailored to directly benefit your career as a broadcast engineer and help you build value by learning vital information about your technology. It’s redundant to say that technology is changing at a breakneck pace but it’s also a truism. You’re not going to be able to keep up with everything you need to know to excel at your career by published resources alone. The social connection to the broadly experienced SBE membership can help you develop real-world education and keep up.

Professional and career development is not the responsibility of your employer. It’s yours. Your membership dues and investment in SBE education or Certification programs is an

---

Question: What is meant by the term “double conversion superheterodyne”?

A. A receiver that provides twice as much audio output.
B. A receiver with two intermediate frequency conversions
C. A receiver that includes all television audio frequencies
D. A receiver-transmitter combination

---

What is meant by the term “double conversion superheterodyne”?

A. A receiver that provides twice as much audio output.
B. A receiver with two intermediate frequency conversions
C. A receiver that includes all television audio frequencies
D. A receiver/transmitter combination
investment in your marketability and value to advance your career objectives. We know that the SBE, the only organization dedicated to the stated purpose of supporting and promoting broadcast engineering, is the appropriate place for your investment.

Very often we are faced with a broadcast engineer who, when faced with a job loss, suddenly realizes the value of SBE participation and strives to “do everything at once.” This engineer will join then test for certification and expect results immediately. Unfortunately this is not particularly effective as a short-term solution. Education, Certification, membership, and active participation must be an ongoing process in order to have the most impact. Think of your investment in the SBE as money and your personal capital deposited in the bank. The longer you invest (earn new certifications, attend seminars, participate in chapter or national office, interact with SBE members) before you withdraw, the more valuable the assets will be. Another way that SBE involvement is similar to banking: It’s a function of your contribution. The more you contribute, participate and lead, the greater the potential benefit from your participation in the SBE.

I’ve seen, on the Internet lists, an occasional complaint that “SBE Certification didn’t get me the job I wanted” or that “my prospective employer doesn’t know about the SBE so it didn’t make a difference.” In some cases, I’ve done some digging and discovered that the complaining engineer was often the type I mentioned in the preceding paragraph. When faced with a job search, he or she suddenly reaches out to the SBE for help. Unfortunately, Society membership and certification is not a magic pill that will instantly get you the next job or even the next interview. It is part of a host of factors that go into career advancement. Certification and an impressive resume may get you a response or the interview, but your work history and presentation during the interviews will be the thing that makes the biggest difference. You still need to be a fit for the position both in skill and personality.

Think of another advantage of SBE participation (notice I said “participation”, not just membership or certification): You’ll be developing a network of skilled engineers who may become references for your next application. I’ve gained friendships through the Society that presented work opportunities such that (I’m proud to say) a nice number of engineers that I respect can honestly say they’ve seen my work. Have I used them as references for job applications? Heck yeah! I’ve been happy to return the consideration, as well. Much of this exposure would not have happened without the Society.

I hope you’ll think about your SBE membership and understand how your membership and active participation are crucial to increasing your value and “building a career advancement savings account.” The SBE has unmatched value to you as this resource!
For the birds

The American Radio Relay League challenged the FCC’s rules governing the interference potential of Broadband Over Power Line (BPL) systems. Lately, I have been waiting not-so-patiently for a decision on this from the United States Court of Appeals for the District of Columbia Circuit. ARRL’s appeal was argued back in October, and a decision seems to me to be overdue. Win, lose or draw, I would surely like to know the outcome of the case (and I probably will by the time you read this). In the meantime, however, I noticed a case decided in February of this year, in which the FCC took it on the chin from the Court of Appeals. This was a case brought by the American Bird Conservancy to test the FCC’s responsiveness to the environmental issue of bird kills from communications towers. Since the case involves tall towers (which are always of great interest to me, being the means by which radio magic is performed), I thought you might be interested in hearing about it.

I have written in this column before about the alleged problem of bird collisions with communications towers. My previous column was a bit too flippant, and I received some responses from broadcast engineers who were environmentalists taking me to task for it. Those criticisms were well-taken; this is a very serious issue and I should have treated it as one. Certainly enough, the American Bird Conservancy and Forest Preservation Council are serious about the issue, and everyone wants to prevent bird kills if at all possible. My only concern, and this is apparently shared by the FCC as well, is that there isn’t a lot of conclusive environmental science about bird kills due to communications towers, and it doesn’t seem reasonable to me to proceed with regulations of tower placement or height based on what right now is still fundamentally incomplete science. But that is not what American Bird Conservancy, Inc. et al., v. FCC, Case No. 06-1165 (D.C. Cir. February 19, 2008) was about, really. It was, instead, about what the FCC has to do when it registers a tower, and who gets to object before FCC registers one, and why. And it has some lessons about what you can expect when you do your station’s next tower registration.

This case is related to, the long-pending FCC WT Docket 03-187, which addresses the effects of communications towers on migratory birds (and on which no firm action has been taken by FCC yet). What happened started in August of 2002. The Bird Conservancy asked the FCC to prepare an Environmental Impact Statement (EIS) under the requirements of the National Environmental Policy Act (NEPA) which would analyze the effects of all past, present and reasonably foreseeable future tower registrations on migratory birds in the Gulf Coast region. It also asked the FCC to initiate a formal consultation process with the United States Fish and Wildlife Service (FWS) under the Endangered Species Act (ESA) to evaluate the Gulf Coast towers collective impact on various bird species. Finally, it asked the FCC to take steps in accordance with the Migratory Bird Treaty Act (MBTA) to reduce bird mortality at Gulf Coast tower sites. They also wanted notice to be given and an opportunity to comment on proposed Gulf Coast tower registration applications before they are granted.

Yes, I know, this is not what the FCC’s tower registration procedure was all about. It was implemented not as a tower approval or evaluation process, but rather purely as a registration procedure so that the FCC had a reliable basis for knowing where its licensees were locating their antennas, and that they were where they were supposed to be located relative to the locations specified in their licenses.

Before the FCC acted on the Bird Conservancy’s request, the FCC in 2003 commenced a rulemaking proceeding about bird kills, in a Notice of Inquiry. FCC received 250 comments on that NOI. The comments reflected very different views about the effect of towers on birds. The Bird Conservancy said at the time that “towers kill” between 4 and 50 million birds per year. Telecom companies such as CTIA and NAB claimed that those estimates were far overstated.

By April of 2005, the Bird Conservancy had had enough of FCC’s slow pace on their petition about Gulf Coast bird kills. They asked the U.S. Court of Appeals in D.C. to order the FCC to act on their petition filed in 2002. Five days after the oral argument on the Bird Conservancy’s Petition for a Writ of Mandamus, the FCC issued an order denying in part, dismissing in part and deferring in part action on the Bird Conservancy’s petition. FCC said it would address the Bird Conservancy’s issues in a separate docket dealing with the bird collision issue on a nationwide basis.

FCC did nothing thereafter until November of 2006, when it issued a Notice of Proposed Rule Making in the same docket proceeding asking for further comment on the subject from factual, legal and policy perspectives. FCC asked whether the impact of communications towers on migratory birds was significant enough that it would have to take action under the environmental statutes that affect all Federal agencies. What FCC didn’t seem to have were facts about the magnitude of the problem. The only decision from FCC was really no decision at all: it said that it “tentatively” proposed the use of medium intensity white strobe lights rather than red lights, since red lighting seemed to have a higher risk to migratory birds. Meanwhile, in May of 2006, the Bird Conservancy asked the Court of Appeals to review the FCC’s order dismissing the Bird Conservancy’s Gulf Coast request.

In its February, 2008 decision, the Court reversed and remanded the FCC’s order denying and dismissing the Conservancy’s petition because the FCC failed to apply the proper NEPA standard, and because FCC failed to provide a reasoned consultation with the FWS under the ESA. The Court also held that the FCC did not provide meaningful notice of pending tower registration applications before acting on them.

The court seemed to believe that tower registrations by FCC are actually approvals. Of course, they are not. Tower registrations are simply a means of allowing FCC to know where the towers are. On the other hand, the FCC is subject to the NEPA, ESA and MBTA statutes, and so even the process of registration of towers, said the Court, are...
“permits or other regulatory decisions” under NEPA. That creates obligations during the registration process. The FCC has in the past taken the position that regulations implementing NEPA categorically exclude communications towers from environmental processing because they are deemed individually and cumulatively to have no significant effect on the quality of the human environment. However, there is still a procedure to challenge that presumption, in which case the tower owner must prepare an Environmental Assessment (EA). If that EA shows a significant effect on the environment, the FCC has to prepare an Environmental Impact Statement (EIS). FCC refused to do a programmatic EIS for tower registrations, because of lack of specific evidence concerning the impact of towers on human environment and the lack of consensus of scientists regarding the impact of communications towers on migratory birds. The Court, however, said that neither reason is sufficient to sustain the FCC’s refusal to take action pursuant to NEPA. The FCC’s action violated its own NEPA procedures. The Court vacated the FCC order on the NEPA part and told the FCC to conduct a programmatic EA as the Conservancy requested. So, the FCC will now have to conduct an environmental assessment about the location of towers within the tower registration process. It is obligated to do so under NEPA when a Federal action (such as a tower registration) “may” have a significant environmental effect. The Court said that on the record before it, there was no dispute that towers “may” have significant environmental impact, and therefore the FCC rules implementing NEPA are triggered, and an EA is necessary for the tower registration program.

The Court also said that under the ESA, the FCC was required to consult with the Fish and Wildlife Service. The ESA requires that a Federal agency ensure that any action they take, authorize, fund or carry out is not “likely” to jeopardize the continued existence of any endangered or threatened species or result in destruction or adverse modification of critical habitats. The FCC said only that there were no collective impacts of towers that were separate from their impacts individually. The basis for that conclusion was completely unexplained, however, and for that reason, that issue was remanded to FCC for further proceedings consistent with the ESA. The FCC will have to better explain what kind of showing would have to be made in order to justify the kind of study that the Bird Conservancy asked for.

Finally, the FCC was told to provide adequate public notice of tower registration applications before they are granted, in order that the public could ask for EAs relative to specific applications. This is the big hammer. The FCC only provides notices now after tower registrations are processed. After this remand by the Court, the FCC will have to provide notices before they grant a registration. This will allow conservation groups to protest tower registrations (and actually, as the result, tower siting) both at the FCC and before local zoning boards. A new tower project could become a real nightmare, and the construction period for new station permits could become even more complicated than it now is.

Heck, it is for the birds, right? But why am I still wondering, after all these studies and requirements, whether there is enough science behind the guesswork? FCC can do EAs and EIS’ until the cows come home. It is hard to make regulations without firm science backing them up. It just doesn’t seem to be on the table.
Wow, what a whirlwind year it has been and 2008 doesn’t seem to be any less exciting. With the Digital Television conversion less than a year away the SBE Program of Certification is taking steps to replace all of the information that will become obsolete come February 17, 2009.

In 2003 we began the tradition of honoring our local Certification Chairmen on a recurring five-year cycle. This year at NAB we will continue this practice of recognizing the service anniversaries of our volunteers at the SBE Membership Meeting. The annual SBE Membership Meeting will be held at NAB2008 on Tuesday, April 15, from 5 to 6 p.m., in Room S226/227 of the Las Vegas Convention Center. During the meeting we will present plaques to the following:

25 Years
- James Biggers, CPBE – Chapter 7, Jacksonville, SC
- Robert Good, Jr., CPBE – Chapter 41, Central PA
- Robert Venditti, CSrTE – Chapter 43, Sacramento, CA
- Donald Strauss, CPBE – Chapter 55, St. Louis, MO
- Robert Maw, CSTE – Chapter 86, Greenville Area, SC

20 Years
- Thomas Alderson, CSTE – Chapter 21, Spokane, WA
- Richard Ryan, CPBE – Chapter 28, Milwaukee, WI
- Robert Bell, CPBE – Chapter 30, South Bend, IN
- Brian Morgan, CPBE – Chapter 49, Central Illinois
- Michael Feist, CPBE, CBNT – Chapter 66, Fresno, CA
- Gilbert Garcia, Jr., CPBE – Chapter 79, Austin, TX
- Carl Davis, CPBE – Chapter 93, Raleigh-Durham, NC

15 Years
- Thomas Skubel, CPBE – Chapter 20, Pittsburgh, PA
- James Hermanson, CPBE, CBNT – Chapter 24, Madison, WI
- Richard Serre, CBT, CBNT – Chapter 65, Quad Cities, IL
- Laverne Killion, CPBE – Chapter 87, Holdrege, NE
- Jon Strom, CBTE – Chapter 109, Des Moines, IA
- Dave Brawdy, CPBE – Chapter 117, Palouse Clearwater, WA
- James Hartzler, CPBE – Chapter 122, Youngstown, OH
- William Croghan, CPBE – Chapter 128, Las Vegas, NV

10 Years
- Robert Locke, CPBE, CBNT – Chapter 3, Kansas
- Thomas Valosin, CBT – Chapter 58, Northeast, NY
- John Batson, CPBE, CBNT – Chapter 68, Birmingham, AL
- Richard Goldy, CPBE – Chapter 105, Houston, TX
- Robert Connelly, CPBE – Chapter 129, Wyoming

5 Years
- William Magiocco, CPBE, 8-VSB, CBNT – Chapter 5, Atlanta, GA
- Christopher Scherer, CPBE, CBNT – Chapter 59, Kansas City, KS
- Edward Roos, CPBE – Chapter 88, Palm Beach, FL

First Year of Service
- David Fort, CPBE – Chapter 25, Indianapolis, IN
- Dennis Vigil, CSTE, 8-VSB, CBNT – Chapter 34, Albuquerque, NM
- Winston Tharp, CPBE – Chapter 40, San Francisco, CA
- Ernest Harvey, Jr., CSrTE – Chapter 72, New Orleans, LA
- Philip Mowbray, CPBE – Chapter 81, Grand Junction, CO
- Britt Lockhart, CPBE – Chapter 85, Central Western
- J. Gibson Prichard, CBNT – Chapter 103, Nashville, TN
- John Ross, CSRE, CSTE, CBNT – Chapter 136, Rio Grande Valley

2008 also brings two anniversaries for the Certification Committee.

- Troy Pennington, CSRE, CBNT – 15 Years as a Certification Committee Chair
- Christopher Scherer, CPBE, CBNT – 10 Years as a Certification Committee Chair

Thank you to the local Chapter Certification Chairmen and the National Certification Committee Chairmen for the endless hours they devote to the Program of Certification. Without their help and dedication the program would not be what it is today.

Please feel free to stop by the booth at NAB or contact me at anytime at mclappe@sbe.org or 317-846-9000.
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®)
Michael Axman, Elkhart, IN – Chapter 30
Jon Bennett, Richmond, VA – Chapter 60
Dan Billings, Lehigh Acres, FL – Chapter 127
Paul Stoffel, Madison, WI – Chapter 24
Thomas Ware, Kings Mountain, NC – Chapter 45
Benton Weiss, Kansas City, MO – Chapter 59
William Wise, Richardson, TX – Chapter 67

CERTIFIED SENIOR TELEVISION ENGINEER (CSTE®)
Kenneth Daniels, Blaine, MN – Chapter 17
John Kosobucki, Des Moines, IA – Chapter 109

CERTIFIED BROADCAST NETWORKING TECHNOLOGIST® (CBNT®)
Terrence Baun, Janesville, WI – Chapter 28
Jon Bennett, Richmond, VA – Chapter 60
William Hix, Denver, CO – Chapter 48

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

CERTIFIED PROFESSIONAL BROADCAST ENGINEER® (CPBE®)
Joseph Bartnik, Lawton, OH – Chapter 67
James Radmann, Canton, OH – Chapter 28
Donald Renollet, Indianapolis, IN – Chapter 25
David Siegler, Charlotte, NC – Chapter 45

CERTIFIED TELEVISION OPERATOR® (CTO®)
Hugo Isensee, San Antonio, TX – Chapter 69
Richard Zamora, San Antonio, TX – Chapter 69

CERTIFIED BY LICENSE

CERTIFIED BROADCAST TECHNOLOGIST® (CBT®)
William Bleyle, Fayetteville, NY – Chapter 22
Mark Morton, Oxford, CT – Chapter 14
Kent Peterson, Redlands, CA – Chapter 131

CERTIFIED RADIO OPERATOR® (CRO®)
Richard Frischkorn, Suring, WI
Brian Hay, Peshtigo, WI
Dennis Jones, Oconto Falls, WI
Thomas Smith, Landin, NJ
Rodney Thomas, Valencia, CA
Lorza Queen, Mountain Home, AR

CERTIFIED TELEVISION OPERATOR® (CTO®)
Forty Angiley, Irving, TX

“Thank You” CHAPTER CERTIFICATION CHAIRS FOR YOUR ASSISTANCE

SBE CERTIFIED SCHOOL COURSE COMPLETION

DEFENSE INFORMATION SCHOOL
Maria Salcido
Matthew Schiler, N. Las Vegas, NV – Chapter 128

NAPA VALLEY COLLEGE
Brian Hughes, Cotati, CA – Chapter 40

FEBRUARY EXAMS

New SBE Certification Achievements

APRIL 2008
**Chapters - A great resource**

**BY John L. Poray, CAE**  
SBE chapters have been the backbone of the Society since the earliest days of SBE, when Chapter 1 was organized in Binghamton, New York. Monthly chapter meetings are, for many members, the place where they feel they get the most benefit from their SBE membership. Continuing education, professional and social networking and recognition are all a part of a good chapter program that, if you have not been attending chapter meetings, you’ve been missing.

If you have gotten away from attending your chapter’s meetings, why not put the next one on your calendar. I’ve included below a list of SBE chapters, organized alphabetically by state. The chapter chairperson is listed with, in most cases, their e-mail address. Where we don’t have an e-mail address on record, their telephone number is included. If you haven’t been to a chapter meeting in a while, contact your chapter chair and find out when and where the next meeting is and plan to attend.

You’ll notice that a handful of chapters say “TBD” in the chapter chairperson column. In those cases, there is no chapter chair and the chapter is likely not currently meeting. Would you like to see some chapter activity in your area and feel you can help? Contact me at the SBE National Office, jporay@sbe.org or (317) 846-9000; or Chriss Scherer, Chapter Liaison Chairman, cscherer@sbe.org. We can help you get your chapter moving again.

<table>
<thead>
<tr>
<th>State</th>
<th>Ch #</th>
<th>Chairperson &amp; Contact information.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AK</td>
<td>89</td>
<td>Terry K. Reynolds, CPBE <a href="mailto:reynolds@mtaonline.net">reynolds@mtaonline.net</a></td>
</tr>
<tr>
<td>AL</td>
<td>68</td>
<td>Tim Costley, <a href="mailto:tcosley@wtto.sbgnet.com">tcosley@wtto.sbgnet.com</a></td>
</tr>
<tr>
<td>AL</td>
<td>111</td>
<td>Joseph W. Kirby, CBTE, CBRT, CBNT <a href="mailto:engineerjoe@bellsouth.net">engineerjoe@bellsouth.net</a></td>
</tr>
<tr>
<td>AL</td>
<td>118</td>
<td>Montgomery Larry J. Wilkins, CPBE, CBNT, AMD <a href="mailto:larrywilkins@charter.net">larrywilkins@charter.net</a></td>
</tr>
<tr>
<td>AZ</td>
<td>138</td>
<td>Robert J. Russell, CSTE, CBNT <a href="mailto:robert.russell@sprint.com">robert.russell@sprint.com</a></td>
</tr>
<tr>
<td>AZ</td>
<td>9</td>
<td>Rick R. Salsman, CPBE <a href="mailto:rsalsman@univision.net">rsalsman@univision.net</a></td>
</tr>
<tr>
<td>AZ</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>CA</td>
<td>66</td>
<td>Patrick C. Fennacy, <a href="mailto:sbe66@hotmail.com">sbe66@hotmail.com</a></td>
</tr>
<tr>
<td>CA</td>
<td>131</td>
<td>Jerry L. Shorter, CSTE <a href="mailto:shortjl@dodmedia.osd.mil">shortjl@dodmedia.osd.mil</a></td>
</tr>
<tr>
<td>CA</td>
<td>47</td>
<td>James E. Sensenbach, CPBE <a href="mailto:jsensenbach@unvisionradio.com">jsensenbach@unvisionradio.com</a></td>
</tr>
<tr>
<td>CA</td>
<td>43</td>
<td>Jack L. Davis, CPBE <a href="mailto:tvchief@engineer.com">tvchief@engineer.com</a></td>
</tr>
<tr>
<td>CA</td>
<td>36</td>
<td>Eric B. Schecter, CBRE <a href="mailto:eschecter@jpc.com">eschecter@jpc.com</a></td>
</tr>
<tr>
<td>CA</td>
<td>40</td>
<td>Arthur Lebermann, CPBE <a href="mailto:arleb@earthlink.net">arleb@earthlink.net</a></td>
</tr>
<tr>
<td>CO</td>
<td>48</td>
<td>James B. Schoedler, CBNT <a href="mailto:jschoedler@usa.net">jschoedler@usa.net</a></td>
</tr>
<tr>
<td>CO</td>
<td>81</td>
<td>Bill Frost, CSRE <a href="mailto:bill@datavix.com">bill@datavix.com</a></td>
</tr>
<tr>
<td>CT</td>
<td>14</td>
<td>Valley Scott A. Baron, <a href="mailto:engineer@worc.com">engineer@worc.com</a></td>
</tr>
<tr>
<td>DC</td>
<td>37</td>
<td>Thomas P. Shedlick, <a href="mailto:tom.shedlick@citicommm.com">tom.shedlick@citicommm.com</a></td>
</tr>
<tr>
<td>FL</td>
<td>42</td>
<td>Frank Torbert, <a href="mailto:ftorbert@wkmq.com">ftorbert@wkmq.com</a></td>
</tr>
<tr>
<td>FL</td>
<td>7</td>
<td>James O. Biggers, CPBE <a href="mailto:jobtv@aol.com">jobtv@aol.com</a></td>
</tr>
<tr>
<td>FL</td>
<td>88</td>
<td>Gary A. Minker, <a href="mailto:gary@radioworkersrconsulting.com">gary@radioworkersrconsulting.com</a></td>
</tr>
<tr>
<td>FL</td>
<td>53</td>
<td>TBD</td>
</tr>
<tr>
<td>FL</td>
<td>39</td>
<td>Roswell D. Clark, CSRE, CBNT <a href="mailto:roz.clark@coxta.com">roz.clark@coxta.com</a></td>
</tr>
<tr>
<td>GA</td>
<td>5</td>
<td>William P. Magliocco, CPBE, CBNT, 8-VSB <a href="mailto:wmagliocco@earthlink.net">wmagliocco@earthlink.net</a></td>
</tr>
<tr>
<td>HI</td>
<td>63</td>
<td>TBD</td>
</tr>
</tbody>
</table>

**State**  | **Ch #**  | **Chairperson & Contact information.**
---|---|---------------------|
**IA**  | 109 | Gregg T. Richwine, CBTE gregg.richwine@whov.com |
**IA**  | 65  | TBD |
**ID**  | 117 | Darryl D. McGlothen, CBNT darryl.mcgl@kewlwy.com |
**ID**  | 115 | Richard Kemp, rick-kemp@cwest.net |
**IL**  | 49  | Brian L. Dougheghty, react06@hotmail.com |
**IL**  | 26  | Mark S. Albert, CBTE msalbert@aol.com |
**IL**  | 96  | Gregory A. Dahl, CPBE gregorydahl@secondopinion.com |
**IN**  | 25  | Philip B. Alexander, CSRE, AMD dynotherm@earthlink.net |
**IN**  | 50  | David E. Gooding, CPBE dgooding@fox28.com |
**IN**  | 121 | Ben A. Davis, bdavis@regentevansville.com |
**KS**  | 3   | John R. Langer, CBTE janger@k-state.edu |
**KS**  | 59  | Robert W. Cross, crossr@umkc.edu |
**KY**  | 55  | Jerry M. May, CPBE, CBNT jmay@wttw.com |
**LA**  | 72  | Ernest J. Kain, ernie@1-55.com |
**LA**  | 44  | Rudolph C. Johnson, CPBE rudy707@bellsouth.net |
**MA**  | 11  | Robert B. Yankowitz, CPBE rbyankowitz@chbs.com |
**MD**  | 46  | Vernon L. Dennis, Jr., radio.eng@verizon.net |
**MD**  | 132 | Paul A. Curtis, Jr., CBRT drillcurt@yahoo.com |
**MI**  | 91  | Gary W. Bliiveniernicht, garyb@war.org |
**MI**  | 102 | Patrick J. Tobin, CBTE, CBNT tobins@ferrus.com |
**MI**  | 82  | Robert D. Bracken, CBTE, CBNT h.bracken@wb2detroit.com |
**MN**  | 17  | Jon G. Blomstrand, CSRE jblomstrand@am1500.com |
**MO**  | 59  | Robert W. Cross, crossr@umkc.edu |
**MO**  | 55  | Terrence E. Dupuis, CBNT tdupuis@ums.edu |
**MP**  | 26  | Robert L. Springer, CPBE saipan@febc.org |

**State**  | **Ch #**  | **Chairperson & Contact information.**
---|---|---------------------|
<table>
<thead>
<tr>
<th>MS</th>
<th>Missippi</th>
<th>125</th>
<th>Donald B. Driskell, CPBE <a href="mailto:donniedriskell@mpbonline.org">donniedriskell@mpbonline.org</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>MT</td>
<td>Montana</td>
<td>137</td>
<td>Eric A. Hyppa, CBNT <a href="mailto:eric_hypppa@montanapbs.org">eric_hypppa@montanapbs.org</a></td>
</tr>
<tr>
<td>NC</td>
<td>Charlotte</td>
<td>45</td>
<td>Michael C. Smith, CSTE, CBNT <a href="mailto:msmith@wtvi.org">msmith@wtvi.org</a></td>
</tr>
<tr>
<td>NC</td>
<td>Raleigh-Durham</td>
<td>93</td>
<td>Charles B. Britt, <a href="mailto:cbritt@vnet.net">cbritt@vnet.net</a></td>
</tr>
<tr>
<td>NC</td>
<td>Winston-Salem</td>
<td>84</td>
<td>TBA</td>
</tr>
<tr>
<td>NE</td>
<td>Holdrege</td>
<td>87</td>
<td>Laverne T. Killion, CPBE <a href="mailto:vkillion@alltel.net">vkillion@alltel.net</a></td>
</tr>
<tr>
<td>NE</td>
<td>Midland</td>
<td>74</td>
<td>Gina L. Dierks, CBT, CBNT, CTO <a href="mailto:gdierks@kptm.com">gdierks@kptm.com</a></td>
</tr>
<tr>
<td>NH</td>
<td>Northern New England</td>
<td>110</td>
<td>David J. Raymond, CBTE <a href="mailto:wneu.sbe.chpt_110@comcast.net">wneu.sbe.chpt_110@comcast.net</a></td>
</tr>
<tr>
<td>NM</td>
<td>Albuquerque</td>
<td>34</td>
<td>Michael F. Snyder, CPBE <a href="mailto:mike.snyder@ciicom.com">mike.snyder@ciicom.com</a></td>
</tr>
<tr>
<td>NV</td>
<td>Las Vegas</td>
<td>128</td>
<td>Steven Scott, CPBE, CBNT, 8-VSB <a href="mailto:kd8s@internind.net">kd8s@internind.net</a></td>
</tr>
<tr>
<td>NV</td>
<td>Reno</td>
<td>139</td>
<td>Timothy J. Stoffel, CSTE <a href="mailto:timb@lionlamb.us">timb@lionlamb.us</a></td>
</tr>
<tr>
<td>NY</td>
<td>Binghamton</td>
<td>1</td>
<td>Thomas G. Siglin, <a href="mailto:tiglin@sigtomics.com">tiglin@sigtomics.com</a></td>
</tr>
<tr>
<td>NY</td>
<td>Buffalo</td>
<td>133</td>
<td>Raymond Felckowski, <a href="mailto:rfelckowski@pce.net">rfelckowski@pce.net</a></td>
</tr>
<tr>
<td>NY</td>
<td>Central New York</td>
<td>22</td>
<td>Christopher P. Baycura, CEV <a href="mailto:chaycura@sbe22.org">chaycura@sbe22.org</a></td>
</tr>
<tr>
<td>NY</td>
<td>Ithaca</td>
<td>140</td>
<td>David D. Allen, <a href="mailto:albell@ithaca.edu">albell@ithaca.edu</a></td>
</tr>
<tr>
<td>NY</td>
<td>New York City</td>
<td>15</td>
<td>Thomas R. Ray III, CPBE <a href="mailto:tomray@worn710.com">tomray@worn710.com</a></td>
</tr>
<tr>
<td>NY</td>
<td>Northeast</td>
<td>58</td>
<td>Charles Zarriello, CBT (518) 456-1516</td>
</tr>
<tr>
<td>NY</td>
<td>Rochester</td>
<td>57</td>
<td>Edward Y. Wright, CPBE <a href="mailto:ewright@wxxi.org">ewright@wxxi.org</a></td>
</tr>
<tr>
<td>OH</td>
<td>Central Ohio</td>
<td>52</td>
<td>John R. Owen, (703) 930-3763</td>
</tr>
<tr>
<td>OK</td>
<td>Northeast Ohio</td>
<td>70</td>
<td>Ronald Bartlebaugh, CBNT <a href="mailto:bartlebaugh@wksu.org">bartlebaugh@wksu.org</a></td>
</tr>
<tr>
<td>OH</td>
<td>Southwestern Ohio</td>
<td>33</td>
<td>George C. Hopsstetter, CPBE <a href="mailto:ghopsstetter@thinktv.org">ghopsstetter@thinktv.org</a></td>
</tr>
<tr>
<td>OH</td>
<td>Toledo</td>
<td>104</td>
<td>Kevin E. Olden, CBTE, CBNT <a href="mailto:kevin@providesystems.com">kevin@providesystems.com</a></td>
</tr>
<tr>
<td>OH</td>
<td>Youngstown</td>
<td>122</td>
<td>Michael A. Heim, <a href="mailto:kd0xr@sbglobal.net">kd0xr@sbglobal.net</a></td>
</tr>
<tr>
<td>OK</td>
<td>Central Western</td>
<td>85</td>
<td>Leonard Youngblood, CTO <a href="mailto:lyoungbl@sbgnet.com">lyoungbl@sbgnet.com</a></td>
</tr>
<tr>
<td>OK</td>
<td>Tulsa</td>
<td>56</td>
<td>Roger W. Newton, CBNT <a href="mailto:mnewton@octa.tv">mnewton@octa.tv</a></td>
</tr>
<tr>
<td>OR</td>
<td>Eugene</td>
<td>76</td>
<td>Dennis R. Hunt, <a href="mailto:dhunt@cmc.net">dhunt@cmc.net</a></td>
</tr>
<tr>
<td>OR</td>
<td>Medford</td>
<td>141</td>
<td>Rick Carrara, <a href="mailto:rcarrara@cmc.net">rcarrara@cmc.net</a></td>
</tr>
<tr>
<td>OR</td>
<td>North Oregon</td>
<td>124</td>
<td>Everett E. Helm, CPBE <a href="mailto:everett@helm.net">everett@helm.net</a></td>
</tr>
<tr>
<td>PA</td>
<td>Pennsylvania</td>
<td>130</td>
<td>Michael J. Kobylka, <a href="mailto:mkobylka@sbgnet.com">mkobylka@sbgnet.com</a></td>
</tr>
<tr>
<td>PA</td>
<td>Philadelphia</td>
<td>18</td>
<td>Mark D. Humphrey, CPBE, CBNT <a href="mailto:mark@xy-mark.com">mark@xy-mark.com</a></td>
</tr>
<tr>
<td>PA</td>
<td>Pittsburgh</td>
<td>20</td>
<td>John J. Humphrey, CPBE <a href="mailto:john.humphrey@azcar.com">john.humphrey@azcar.com</a></td>
</tr>
<tr>
<td>PR</td>
<td>Puerto Rico</td>
<td>142</td>
<td>Enrique Garcia, <a href="mailto:rgarcia@sistema102.com">rgarcia@sistema102.com</a></td>
</tr>
<tr>
<td>SC</td>
<td>Charleston</td>
<td>107</td>
<td>TBA</td>
</tr>
<tr>
<td>SC</td>
<td>Columbia</td>
<td>101</td>
<td>David R. Tancig, CBTE, CBNT, 8-VSB, CTO, CRO <a href="mailto:speedysignal@yahoo.com">speedysignal@yahoo.com</a></td>
</tr>
</tbody>
</table>

| SC Greenville Area | 86  | Jerry K. Massey, CPBE, CBNT, 8-VSB, AMD jmassey@entercom.com |
| TN         | Knoxville | 113 | Charles D. Stallard, CPBE, CBNT doug.stallard@wvtv.com |
| TN         | Middle Tennessee | 135 | David D. Dunsford, CBNT, CTO ddunsford@sath.com |
| TN         | Nashville | 103 | Donald E. Griffey, CPBE, CBNT engineer@wnkj.org |
| TX         | Austin     | 79  | Ernie Saldana, esaldana@kvue.com                     |
| TX         | Beaumont/Lake Charles | 134 | Richard N. Rhodes, CBRE rrho170@sbglobal.net |
| TX         | Bryan      | 99  | Jon P. Bennett, CBRE jon.bennett@kamu.tamu.edu       |
| TX         | Corpus Christi | 29  | Stephen R. West, (361) 886-6100                   |
| TX         | El Paso    | 38  | Jose A. Castro, antonio.castro@cox.com              |
| TX         | Houston    | 105 | Thomas A. Daniels, Jr., CPBE tdan@univision.net     |
| TX         | North Texas | 67  | Paul J. Brown, CPBE buddy@kvtv.com                  |
| TX         | Rio Grande Valley | 136 | Jerry Jeske, jjjeske@rio.grande.edu                |
| TX         | South Texas | 69  | Lewis E. Miller, (210) 270-9000                    |
| UT         | Utah       | 62  | Michael L. Hansen, CBRE, CBNT, CBNT, 8-VSB mike@utah.com |
| VA         | Blue Ridge | 78  | Eddie R. Durham, ecs@rev.net                        |
| VA         | Hampton Roads | 54  | Chris G. Gunnufsen, chriss@whro.org                 |
| VA         | Richmond   | 60  | Jon A. Bennett, CPBE, CBNT jbennet08@verizon.net    |
| WA         | Seattle    | 16  | James A. Dalke, CPBE, AMD jim@dalke.com             |
| WA         | Spokane    | 21  | Kent A. Abendroth, kentabendroth@clearchannel.com   |
| WA         | Tri-Cities | 51  | Martin L. Gibbs, (509) 547-5196                    |
| WI         | Fox Valley | 80  | Keith M. Kintner, CPBE, CBNT lkmint3@yahoo.com      |
| WI         | UW Oshkosh | 80.1| Dale J. Schroeder, Student Chapter                  |
| WI         | Madison    | 24  | Dennis C. Baldridge, CPBE, CBNT, AMD baldridge@mwt.net |
| WI         | Milwaukee | 28  | Todd A. Boettcher, CPBE tboettcher@milwpc.com       |
| WI         | Western Wisconsin | 112 | Paul A. Orth, CBNT paulorth@clearchannel.com       |
| WV         | Mountain State | 116 | Noel W. Richardson, CSRE nrichardson@wradio.com   |
| WY         | Wyoming    | 129 | TBA                                                 |

Is an update necessary to your chapter listing? Contact Scott Jones at kjones@sbe.org

John C. Breckenridge Jr.
President
Seacomm Erectors, Inc.
Complete Tower Erection • Inspection • Maintenance
24 Hour Emergency Service
P.O. Box 1740 Phone: (360) 793-6564
Sultan WA 98294-1740 Fax: (360) 793-4402
www.seacomm.com seacomm@premier1.net

APRIL 2008

**BOOTH HOURS**

Sunday: 2:00 p.m. to 4:00 p.m.
Monday to Wednesday: 9:00 a.m. to 6:00 p.m.
Thursday: 9:00 a.m. to 4:00 p.m.

**SBE SPRING MEMBERSHIP MEETING**

Don’t miss the annual spring Membership Meeting, at 5 p.m. on Tuesday, April 15. This annual meeting will highlight the week for SBE and will be held in one of the BEC 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 Meetings**

SBE will hold several informative meetings during the NAB convention that may be of interest to you. (Meetings located at the Las Vegas Hilton Hotel unless otherwise indicated; subject to change)

**Saturday, 4/12**

Certification Committee (partially closed meeting), 6:30 p.m. to 11:00 p.m.; Conference Room 7

**Sunday, 4/13**

Board of Directors Meeting, 8:30 a.m. to noon; Conference Rooms 4-5

EAS Committee, 4:00 p.m. to 5:30 p.m.; 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 p.m. to 1:00 p.m.; Conference Room 11

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

**Tuesday, 4/15**

SBE Certification Exams will be conducted on from 9 a.m. to noon for those who have pre-registered by the February 29th deadline. Conference Room 10

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

SBE/ U.S. Department of Defense Meeting (closed meeting), 1:30 p.m. to 3:30 p.m.; Conference Rooms 7-8

SBE Membership Meeting, 5 p.m. to 6 p.m.; Las Vegas Convention Center, South Hall Second Floor, Room S 226/227

**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 SBE member Steve Fluker of Cox Radio in Orlando, FL, chairs the BEC. 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.

**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 receive 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. When you reach the “Profile” section, check the “Partner” box and select SBE from the drop-down 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.

**ENNES Workshop**

The Ennes program is the Saturday before the 2008 NAB floor opens. It will be held at the Las Vegas Convention Center (S226) with the topic focusing on file-based workflow. This year’s SBE/Ennes tutorials directly address the issues of this shift, with the most recognizable presenters in the industry. It’s unlike anything else that happens at NAB. To attend, you must have full NAB Convention credentials.

The Ennes Workshop begins early at 8 a.m. April 14, with a beginner’s tutorial – “File-Based Workflow 101.” Harlan Neugeboren, CEO of the Workflow and Technology Group, will cover the basics of file-based workflow from acquisition
through playback and archiving.

At 9:10 a.m. James O’Brien, president of Building4Media, will present “Cross Platform Work Flow.” O’Brien will be discussing considerations and developments in cross platform media operations and automation.

Following at 9:55 a.m. Al Kovalic, Strategist and Pinnacle Fellow, will present “Video Timing and Synchronization in a Web Services Environment.” His talk will cover 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.

Next, Brad Gilmer of Gilmer and Associates will present “Understanding and Describing File-based Workflow” at 10:35 a.m. He will be highlighting efforts by users and manufacturers to develop and deploy file-based workflow solutions in the broadcast environment.

The following 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. Director of Integration and Standards of Harris Corp., Chris Lennon will present this session, “Broadcast Exchange Format” at 11:20 a.m.

After lunch at 1:15 p.m., Kovalic will be back to present “A Brief History of the Second.” This short session will cover the development of timekeeping from water clocks to cesium fountain clocks to GPS and SMPTE 12M. Kovalic ties all of this into the needs of broadcasters.

At 1:30 p.m. consultant John Luff will present “Implementing Workflow Changes,” covering planning and implementation from a holistic approach, centered on defining goals and managing change.

Following Luff at 2:15 p.m., John Footen, Vice President of National TeleConsultants, will present “Business Process Analysis.” This presentation will be focused on Service-Oriented Architecture (SOA).

Engineering Director Michael Wellings will present “Codec Performance” at 3:00 p.m. The engineers at the University of Washington and the Research Channel have analyzed HD codec performance and documented their results. Wellings will present this data, along with an illustrative HD video showing codec loss using the SMPTE StEM uncompressed Mini-Movie.

At 3:45 p.m. John Wadle, Vice President of Technology at OmniBus Systems, will present “File-based Transmission Process.” This will explore the impact and benefits of deploying at software-based transmission system in conjunction with file-based content workflows.

Finishing up at 4:30 p.m. Leonard (Joe) Fabiano, Chief Technology Office of Pathfire, will present “Pathfire’s Distribution of Files and the Impact of File Based Workflow.”

We hope you’ll join many of your fellow SBE members this year in Las Vegas for the 2008 NAB Show!
Membership Drive going on now: Recruit and win!

There's still time to “Be part of a Winning Team” during the 2008 Membership Drive. The annual drive started March 1 and continues through May 31, 2008. Now is the time to recruit new members for SBE. Members are what make our society strong, so help strengthen SBE by adding to its growing membership.

All current SBE Members who sponsor a new member during this year will receive $5 off their 2009 dues for each Regular, Associate or Sustaining member that you sponsor (up to $25). In addition, sponsors will have their names entered into the Membership Drive Prize Drawing where you could win one of many great prizes donated by SBE Sustaining Members and SBE Bookstore publishers.

If you plan to attend The 2008 NAB Show, this is a great time to introduce your friends and colleagues to SBE. Bring them to the SBE Booth in the upper level of the South Hall of the Las Vegas Convention Center with their applications where you can both pick up an SBE membership ribbon; or bring them to the booth so they can apply online. Then invite them to the SBE Membership Meeting on Tuesday April 15, at 5 p.m.

Be part of a March 1 - May 31 WINNING TEAM 2008 SBE Membership Drive

Need a little inspiration?
Recruit a new member during the 2008 SBE Membership Drive, March 1 - May 31, and not only will you strengthen the voice of broadcast engineers in the industry, but your name will be entered into a prize drawing with many great prizes!

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, contact 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.

This year's prizes:
GRAND PRIZE
Trip to the 2008 SBE National Meeting in Madison, WI from October 14 – 15 (2) night hotel stay, airfare for one within the continental U.S.

OTHER PRIZES
- (2) Eton E1X AM/FM/Shortwave/XM ready Radio Courtesy of Westwood One
- Apple IPOD Nano Courtesy of ADC
- 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
- NAB Engineering Handbook Courtesy of National Association of Broadcasters
- Telos ProFiler Automated Program Archiver software Courtesy of Telos Systems / Omnia / Axia
- Heil Sound Fin Courtesy of Broadcast Supply Worldwide
- Yamaha AV Receiver RX-V661 Courtesy of Neural Audio
- $100 Gift Certificate to L.L. Bean Courtesy of Shively Labs
- $100 Gift Certificate to Amazon.com Courtesy of Dielectric
- $75 Gift Certificate to Powell.com Courtesy of du Treil, Lundin & Rackley, Inc.
- STABILINE Uninterruptible Power Supply Courtesy of Superior Electric
- (2) Logo Polo shirts Courtesy of Kathrein Scala
- (1) Logo pull over fleece Courtesy of Kathrein Scala
- Logo Golf Shirt Courtesy of Continental Electronics
- (2) 1 GB USB Drive Courtesy of Broadcast Electronics
- (5) White ball cap Courtesy of Broadcast Electronics
- (5) Logo T-shirt Courtesy of Broadcast Electronics
- (25) Adjustment Tweaking Tools Courtesy of Continental Electronics

STILL MORE TO COME!
Bob Hardie, CSRTE  
Chief Engineer  
WTFA TV, Sinclair Broadcast Group  
Tampa, FL SBE Chapter 39 Joined SBE in 1977

Best known for: Have been Chapter Chair for the Tulsa, Kansas City and Tampa Chapters.

Getting Started: I became an Amateur Radio Op when I was 14 years old. Seems like I had a natural desire to go into broadcast engineering. Nothing else was interesting to me.

Sphere of Influence: I admire the “single shop” technicians/engineers that trudge along every day doing a great job in broadcasting and literally having to fight with management and other departments. These guys/gals are under direct fire. This also describes the job of the average Chief Engineer. Typically, this person is not thought of as a “down in the trenches engineer,” even though he feels he is. This is one of the things that the monthly SBE meetings can do, is help these people to cope with the everyday stress.

Job Satisfaction: The diversification, all of it. I do AM, FM, TV, microwave and satellite engineering.

When I’m not working: I’ve been a ham for 54 years now. My mother used to say, “ham radio keeps me off the streets and out of trouble”. It still does, and my wife now says that she likes me being at home and out of trouble too. (smile)

You may not know … I went to Purdue University to get a BSEE degree. I highly recommend to all to get as much education as one can. Don’t just take electrical engineering courses. Take Business, HR and last but not least, getting along with “those guys”. You know, the other people who work in broadcasting. The “non-engineers”. Good education will make your life much easier not to mention make you more money. GET SBE CERTIFIED too.

July 17, 2008  
Broadcast Trade Show  
Roanoke Civic Center convention center, Roanoke, VA.  
Hosted by The Blue Ridge Chapter - SBE Chapter 78 and the Broadcast General Store.

October 14 & 15  
2008 SBE National Meeting  
Marriott Hotel Madison West, Madison, Wisc.  
In conjunction with The Wisconsin Broadcasters Clinic, presented by SBE Chapter 24, Madison and the Wisconsin Broadcasters Association.
Candidates for National Election

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

The SBE Nominations Committee is assembling a slate of candidates for the next national election that will be held this summer. In the last issue of The Signal, I provided an overview of the eligibility requirements and responsibilities for candidates. The committee has received several inquiries from interested candidates, and we will continue to assemble a candidate list through April. The Committee’s list of candidates is due in the National Office by April 30.

2007 SBE Financial Review

The Society of Broadcast Engineers, Inc. completed 2007 with net revenue from all sources of $80,955. Gross revenue was $825,622 while expenses were $744,667. The value of SBE medium and long term investments increased in 2007 by $55,669 over 2006. Total assets as of December 31, 2007 were $1,193,792, an increase of $80,809 over 2006.

A percentage breakdown of SBE income and expenses is depicted in the accompanying charts. A financial statement will be published in the June issue of the SIGNAL, following release of the Society’s annual audit.

While the Nominations Committee’s function will be completed at that time, nominations from the floor will still be accepted until July 14. For an individual to be nominated from the floor, he or she must notify the SBE secretary and have the support of 10 voting members. Election ballots will be mailed to all members by July 29. The ballots will be tallied on Aug. 28 by a board-appointed board of tellers.

Serving on the Nominations Committee this year are Robert Hess, CPBE, of chapter 43 Sacramento, CA; Kevin Kidd, CSRE AMD, of chapter 111 Huntsville, AL; and Eric Reinert, CBTE, of chapter 120 Lehigh Valley PA. I thank them for their work on this committee.

Moseley
Digital STLs
AM/FM/TV

(805) 968-9621
www.moseleysb.com
The Society of Broadcast Engineers would like to welcome its newest members to the organization:

**New Members**

Douglas E. Allen - Baton Rouge, LA
Eric Anderson - Charlotte, NC
Solomon N. Bachman - Tucson, AZ
Dave M. Calhoun - Beachwood, NJ
Wendell D. Claibourn - Columbia, SC
Javier Cruz - Roy, UT
Philip C. Davis - Smyrna, GA
Glen A. Dion - Nashua, NH
Gordon C. Dunlap - Glen Burnie, MD
Richard K. Foley - Hubbard, OH
John Footen - Valencia, CA
Robert W. Goessler - Shenectady, NY
Bruce H. Hanselman - Lawrenceville, GA
Douglas Houston - Aurora, CO
Brian Hughes - Sterling, VA
Hugo H. Isensee - San Antonio, TX
John B. Jackson - Wentzville, MO
Hugo H. Isensee - San Antonio, TX

**New Student Members**

Jesse Y. Alexander - Austin, TX
Ethan Bach - Troy, NY
Jeffrey J. Brown - Kirkland, WA
Kent W. Daniel - Plainwell, MI
Andrew T. Kiel - Rock Hill, SC
Don E. Lipsyte - Tulsa, OK
Neka N. Sharp - Willington, NJ
Lawrence D. Barrows - Tenino, WA
Andrew S. Cloud - Murfreesboro, TN
Lee H. Fisher - Catasauqua, PA
Mitchel W. Flannery - Fife, WA
Andrew M. Hall - Tacoma, WA
Joshua S. Huxhold - Lakewood, WA
Alan M. Jaskiewicz - New Kensington, PA
Michael B. Kempont - Tacoma, WA
David Kerins - Brentwood, MO
Matt G. Laubach - Eugene, OR
Roxana Mehrian - Beverly Hills, CA
Carleton W. Raymond - Gloucester, MA
Richard Reagan - Cape Girardeau, MO
Andrea Rule - Brighton, MA

**New Associate Members**

Abe Bennett - Seattle, WA
Roger Rafson - Pittsburgh, PA
Paul Sablan - Hagatna, GU
Jack Wenzinger - Broomfield, CO
Thomas Conroy - Rocky Mount, VA
Rodney C. Vandeveer - West Lafayette, IN

**New Young Members**

Jesse Y. Miller - Parma Heights, OH
Jon C. Jones - Lexington, KY

**Reinstated Members**

Juan P. Alviz - Miami, FL
Brent Brannley - Sacramento, CA
Donald W. Chapman - Houston, TX
Peter D. Dennant, Jr. - Chesapeake, VA
Michael R. Martin - Lakeland, FL
Paul D. Falcon - San Antonio, TX
John E. Flanagan - Sierra Vista, AZ
Clark HV Jillson - Boscobel, WI
Jon C. Jones - Lexington, KY

**Reinstated Associate Members**

James F. Armstrong - Duluth, GA
Quentin E. Silver - Crofton, MD
**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)*

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

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

☐ 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: _______ Regrissant Confirmation: __________________________ Hotel Confirmation: __________________________
Attend 2008 Leader Skills Series

The deadline to register for the 2008 Leader Skills Series is quickly approaching. Register now to reserve your spot to gain valuable leadership skills this summer. By attending this popular seminar specifically created for broadcast engineers, you’ll make your company better and become a better leader. “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.

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 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.

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 Vandeveer 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. This summer is Cupka’s last year instructing the Leader-Skills Seminars before he fully retires, then Vandeveer 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.

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.

Register now, as space is limited. Fax your registration to 317-846-9120 or mail it to 9102 N. Meridian St., Suite 150, Indianapolis, IN 46260. If you would like more information on the SBE Leader-Skills Series, please contact Holly Essex at (317) 846-9000 or hessex@sbe.org.
expeditiously as possible.

This decision is extremely good news. The BAS transition has not proceeded as quickly as we would like, despite good faith by licensees, Sprint Nextel, manufacturers and systems integrators. The short extension will give broadcasters, manufacturers, and Sprint Nextel the time they need to produce, integrate, and install new equipment in local markets across the country.

But neither the BAS licensees, nor Sprint Nextel can take the additional time for granted. The FCC has sought comment on whether and how to allow MSS and MSS ATC operations to commence nationwide regardless of whether the transition is complete beginning January 1, 2009. To allow mobile-satellite service licensees to enter the 2000-2020 MHz band this year, moreover, the FCC has required Sprint Nextel to transition four additional market clusters – Salt Lake City, Utah; Raleigh-Durham, North Carolina; Washington, DC; and Houston, Texas – no later than September 30, 2008. In addition, the FCC required Sprint Nextel to file station-specific reports every other month on BAS relocation progress beginning April 1, 2008. The reports must identify each station’s progress in obtaining price quotes for BAS equipment, finalizing frequency relocation agreements with Sprint Nextel, submitting purchase orders, and other areas. The existing schedule also includes several important benchmarks for BAS performance, including:

- March 18, 2008 – Quote Packages for Replacement BAS Equipment Due
- July 1, 2008 – Signed Frequency Relocation Agreements Due

With MSS market entry looming, nationwide MSS-BAS sharing on the horizon, and detailed reporting requirements beginning in April, every day counts.

The FCC now knows, thanks to the joint parties’ ongoing and extensive lobbying efforts at the FCC, how challenging the BAS relocation is. The FCC has acknowledged the unanticipated complexity of the relocation effort, the highly specialized equipment, and the limited number of qualified manufacturers and installers. While the FCC has done the right thing in granting additional time, the agency’s patience will not last forever. Therefore, we urge you to pay close attention to the cut-over schedule and make every effort to meet the interim benchmarks for relocation performance leading up to the anticipated relocation weekend in your market. If problems arise, contact your market’s frequency coordinator, SBE, and/or their local market’s Sprint Nextel representative, before issues can contribute to delay. Working together, we will complete a smooth BAS relocation.

Larry Bornacelli, CBRE, CBNT became the new Chief Engineer and IT Director for Northeast Broadcasting - WXRV-FM, WNYN0FM, WGAW-AM, WJOE-AM - in Haverhill, MA.

Ben Allen, CBT has joined Burk Technology as Applications Engineer. Prior to that Allen was with Equity Broadcasting of Little Rock.

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 to Attn Holly Essex, 9102 North Meridian St., Suite 150, Indianapolis, IN 46260.
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. Cloppe, Certification Director, at mclope@sbe.org or (317) 846-9000 or Larry Willkins, Awards Committee Chair, at larry.willkins@charter.net or (334) 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, 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.

<table>
<thead>
<tr>
<th>CHAPTER AWARDS</th>
<th>INDIVIDUAL AWARDS</th>
</tr>
</thead>
</table>
| **BEST REGIONAL CONVENTION OR CONFERENCE:** Recognizes the effort of the local chapter that sponsored, organized and held a regional technical conference and/or convention that best furthered the goals and objectives of the Society. INCLUDE: A) Conference Location/Dates; B) Conference Coordinator(s); C) Conference brochure or brief written description.
| **BROADCAST ENGINEER OF THE YEAR:** Recognizes the SBE Member who has made the greatest contribution to the broadcasting industry and to furthering the goals and objectives of the Society. INCLUDE: A) City and state; B) Current employer; C) Detailed written description of contributions; D) His/her portfolio (if possible).
| **BEST CHAPTER NEWSLETTER***: Recognizes two local chapters that produced the best locally published newsletter in its Class, providing up-to-date and relevant information about the chapter in a graphically pleasing and editorially sound manner. Chapters must exercise full control over its content, mailing and size. INCLUDE: A) Newsletter Name; B) Newsletter Editor; C) Description of how it is produced, including list of contributors; D) Three (3) samples of 2005-published issues.
| **EDUCATOR OF THE YEAR:** Recognizes the SBE Member who is dedicated to the education of broadcast engineers through personal writings, teachings, programs and employment and who further the goals and objectives of the Society. INCLUDE: A) City and state; B) Current employer; C) Detailed written description of contributions; D) His/her portfolio (if possible).
| **MOST INTERACTIVE CHAPTER:** Recognizes the local chapter that most actively attempted inter-association with organizations in industries related to the Broadcast Engineering profession (example: SCTE, ITVA, SMPTE, et. al.). INCLUDE: A) Interacting Organizations; B) Dates/descriptions of common events; C) Program announcements, attendance sheets or other evidence of common meetings/events between your chapter and associated groups.
| **TECHNOLOGY AWARD:** Recognizes the SBE Individual or Sustaining Member who has provided the industry with the best new or innovative technical item or idea to further the science of broadcast engineering and to assist the broadcast engineer to be more productive in the craft. Only ideas that have been shared with others in the industry are eligible. INCLUDE: A) Technology item/idea; B) City and state; C) Written description.
| **BEST CHAPTER FREQUENCY COORDINATION EffORT***: Recognizes two local chapters that expended the greatest and most effective effort toward frequency coordination in its market, service area and Class. INCLUDE: A) Frequency Coordinator(s); B) Database URL link or printouts; C) Written description.
| **BEST TECHNICAL ARTICLE, BOOK OR PROGRAM BY AN SBE MEMBER:** Recognizes the author of the best technical article, book or paper in its contribution towards the increase of scientific, operational, artistic or technical knowledge in the broadcast engineering industry. INCLUDE: A) Title of book/article/program; B) City and state; C) Copy of article, book outline or program paper.
| **BEST CHAPTER WEBSITE:** Recognizes the local chapter with a website providing up-to-date information about the chapter, including officers and meetings; making effective and creative use of graphics; providing links to the SBE National website; and effectively representing the chapter and SBE. INCLUDE: A) Website address; B) Webmaster.
| **BEST ARTICLE, PAPER OR PROGRAM BY A STUDENT MEMBER:** Recognizes the SBE Student Member who has shown excellence in the presentation of a technical, operational or scientific paper published in an SBE local, national or industry-related publication; or program presented at a local chapter meeting, national/regional convention or broadcast engineering-related class. INCLUDE: A) Title of article/paper/program; B) School attending, city and state; C) Copy of article, book outline or program paper.

*DENOTES CATEGORIES WITH TWO CLASS AWARDS

SBE LIFETIME ACHIEVEMENT AWARD: Recognizes and pays tribute to individuals for their dedication, lifelong achievement and outstanding contribution to the broadcast industry. Nominees must be SBE members in good standing and have been active for 40 years or more in the broadcast engineering industry or a closely allied field that benefits broadcast engineering. Nominations must come from SBE members in good standing, and will include the endorsement of three other SBE members in good standing. INCLUDE: A) City and state; B) Current employer (if applicable); C) Career biography; D) Detailed written description of contributions.

OFFICIAL RULES FOR LIFETIME ACHIEVEMENT AWARDS: Nominations for this award can be made at any time, but no more than one recipient will be named in a given year. Awards are determined by a 3/4 majority vote of the SBE Board of Directors, based upon recommendations made by the SBE Awards Committee.

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: __________________

APRIL 2008
LBA Technology - your trusted supplier of digital engineered medium wave antenna systems. LBA customized products include high-power ATUs, Filters, Diplexers, Triplexers, Combiners, Directional Antenna Systems, Grounding and Electromagnetic Shielding, and RF components for all power levels. We offer complete RF project design, management, procurement and installation services.

LBA enables thousands of broadcasters in the US and worldwide to -

Reach Farther, Sound Better!

Directional Antenna Systems

High-Power Antenna Tuning Units

Diplexer/Triplexer Systems

RF Components

Factory Dealer For:

OVER 40 YEARS EXPERIENCE IN AM

LBA Technology, Inc.
3400 Tupper Drive, Greenville, NC 27834
800-522-4464 / 252-757-0279  Fax: 252-752-9155
Contact John George at jgeorge@LBAGroup.com

www.LBAGroup.com
Free Standing AM Broadcasting Antenna

FCC Media Bureau Adopts
Simplified Application Procedures for
AM Nondirectional Valcom Antennas

By this Public Notice, the Media Bureau (“Bureau”) announces simplified procedures for AM station construction permit applications which specify Valcom antennas. Based on its review of the Valcom field tests and internal reports submitted to the Commission for evaluation, the Bureau announces that it will not routinely require the submission of a proof of performance, current distribution measurements, or a formula for the vertical plane radiation characteristic for nondirectional AM facilities which utilize these antennas.

Thirty (30) Years Proven Experience

Valcom

175 Southgate Drive
Guelph, Ontario, Canada N1G 3M5
P.O. Box 603, Guelph, Ontario, Canada N1H 6L3
Tel: (519) 824-3220  Fax: (519) 824-3411
Email: enquiries@valcom-guelph.com
Internet: www.valcom-guelph.com