Immediate Past President Barry Thomas, CPBE, CBNT and President Vinny Lopez, CEV, CBNT talk with then EAS Committee Chairman Clay Friendwald, CPBE during the Live SBE National Webcast on October 7. The webcast archive can be viewed online at www.sbe.org.

“Continuing the Digital Transition” to be Ennes Workshop topic

The Society of Broadcast Engineers (SBE) is serving for the 15th consecutive year as the organizing partner with the National Association of Broadcasters (NAB) for the upcoming NAB Broadcast Engineering Conference (BEC) at the 2010 NAB Show, to be held April 10-15 in Las Vegas. SBE will present the annual Ennes Workshop which kicks off the BEC with a special all-day program titled, “Continuing the Digital Transition.”

SBE member and Ennes Trustee, Fred Baumgartner, CPBE, CBNT, is organizing the program. This year’s Ennes Workshop will be held on Saturday, April 10 from 8:00 am to 5:00 pm at the Las Vegas Convention Center.
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- Diversity receive system with four antenna inputs
- Combined MaxRC and packet switching technologies

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- Most widely used wireless camera systems worldwide for major sporting events and news gathering
- Modular design with SD upgradable to HD with field swappable RF and encoder modules

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Contact: Greg Kelish
gkelish@tower-tci.com

Mid West—Dallas TX
Ph: 469-644-2215
Contact: Jassen Hahn
jhahn@tower-tci.com

www.Tower-TCI.com
Fellow nominations now open

BY Try Pennington, CSRE, CBNT
SBE Fellowship Committee Chair

Among the members in your chapter, there may be someone who has made a real difference in the 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. To nominate a member, candidates 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 submitted to Fellowship Committee Chair: Troy Pennington, CSRE CBNT, 6156 Hampton Hall Way, Hermitage, TN 37076 or to troy.pennington@cumulus.com.
Welcome to my first Signal article as your SBE president. As we move forward, I have high hopes for the upcoming year that we can continue to work towards the goals and expectations that our members have for both me and our current board of directors. As past president Barry Thomas always said, “It is indeed the job of the president to execute the will of the board”, and I believe in that philosophy as well. While I don’t have a solitary topic for this article, I consider it a get to know me article with some random thoughts to boot. So here we go…

Many of you may not know how I got to where I am today, so a little background info is in order. It was 1997, at the SBE22 Regional convention in Syracuse, NY. This was the first year that SBE did not have its own annual convention, and began to team with regional shows for the fall meeting. I was the chairman of chapter 22 at the time, and can remember sitting for most of the board meeting as a spectator. During one of the breaks, board member (and former chapter 22 member) Jim Bernier introduced me to then society president and vice-president, Terry Baun and Ed Miller. We had a nice chat, during which they encouraged me to run for national office, which I did- unsuccessfully the first two times. I was elected to the board on the third try in 2000, and was sworn in at the Pittsburgh regional convention. I served 2 and a half terms on the board, then served as Secretary, and Vice–President, before being elected to the top job.

Our goals for this year are many. We will be continuing on our educational initiatives through our Education Committee, chaired by David Priester and with our first full time education director, Kimberly Kissel. We will add courses to SBE University; we are looking at more on-line sessions like our RF Safety course. We are looking at an online version of our Leader Skills Seminar as well as other on-line topics. We will be releasing a new version of CertPreview as well. I also hope you have had a chance to check out the new updated JobsOnline service. This gives members an interactive and efficient way to search for jobs in the industry.

Another exciting thing that has already happened is that in early November, Chris Imlay, John Poray and I traveled to the FCC for some face to face meetings with each commissioner’s staff on some key topics of interest to broadcast engineers. As I am writing this before these meetings happen, I don’t have many details to share at this time, but look for an upcoming netcast on our trip to DC sometime soon.

SBE is a member focused organization. We are constantly listening to the needs and wants of our members. We do our best to try and respond with creative solutions for our members. The trouble here is we can’t be all things to all people. We are just not a big enough organization to pull this off. We have to carefully analyze all our programs, and see which ones give us the biggest benefit for our limited resources. Don’t get me wrong here, SBE is not abandoning any of our programs. We still intend to continue with everything we have done in the past, we just have to carefully evaluate what we do and “does it get us the benefit we want”.

The SBE Board of Directors has done an excellent job of defining the Society, and what we need to do to serve our members to our best abilities. I am pleased and honored to be working with such a fine group of ladies and gentlemen. I think it’s going to be a good year.

Nominate your chapter or member you know for the 2009-10 National Awards

The National Awards Committee was created to recognize those who go above and beyond in the industry and Society. Award category descriptions and nomination forms are available online at www.sbe.org. If you have any questions please contact Awards Chairman Jim Leifer, CPBE at jimleifer@hotmail.com or Megan Clapp at mclappe@sbe.org.
You have probably heard me say this before, but the good old days were when everyone had a voice at the FCC. I am talking about the late 1970s and early 1980s, when I first started working for licensees of the Agency. It was a smaller Agency then, and the staff was available to speak with you pretty much whenever you wanted to trot over to 1919 M Street, N.W. You could walk right in the door, and head for the office of the guy that was working on the application you were interested in, or just to chat about some new idea you might have. It was polite to call first, but often, “lobbying by walking around” worked just as well. I notice that those career FCC guys that have been there as long as I have are still the most pleasant folks to deal with there. It was even easy to get an appointment with an FCC Commissioner, to discuss a regulatory issue that these days would be far too mundane to capture any Commissioner’s attention.

Filing comments in rulemaking proceedings was easier then too. You filed your comments on paper, took with you the right number of copies, and served the folks at the Commission who would be interested in the proceeding with their own copy, just to make sure they read it. It was enough to file your comments and reply comments then. It isn’t now. Now, the staff is extremely busy and there are far more dockets, and far more political pressure on the agency, and if anyone is still filing comments and believing that the Commissioners are reading them, think again. It is ironic, really; now that it is very easy to file comments electronically with FCC, it is harder to get the Commission’s attention when you do.

The great thing about SBE (and about any association that does government advocacy on behalf of its members), is that SBE has the capacity to do active, in-person government advocacy – the standup routine in D.C. If we file rulemaking comments, or a petition for reconsideration with the FCC on behalf of broadcast engineers, we know that won’t be the end of the advocacy effort. It can’t be, or the effort won’t be effective. So we meet with the staff, or the Commissioners’ offices, and make our point (far more concisely than we explain the point in written comments, in fact). Often, the best method of getting your point across at FCC isn’t the filing of written documents at all. It is building coalitions of groups who have similar or complimentary interests. So we go to the FCC with Sprint-Nextel, or with MSTV, or NAB, or sometimes all three. It is the way of things these days. And it works, sometimes very well.

Recently, early in November, newly-elected SBE President Vinny Lopez, SBE Executive Director John Poray and I visited each of the Commissioners’ offices to argue our position on Clarity Media (Trucker TV) and the TV White Spaces proceeding; two of the more active dockets in which SBE has taken an interest over the past few years. Frankly, this was the first good opportunity to introduce the three newest Commissioners, including the Chairman, to SBE and to the work of broadcast engineers. We went ourselves this time, because in addition to noting the specifically technical problems of the Clarity proposal and the interference potential of White Spaces Devices to both DTV reception and to wireless microphones (and the desperate need for additional spectrum for wireless mics) we wanted the Commissioners’ offices to know, many for the first time, the RF environment in which broadcast engineers must ply their trade.

What is interesting in meeting with the legal assistants of FCC Commissioners is how eager they are to meet people like Vinny Lopez, or Barry Thomas, or other SBE officers who have firsthand knowledge and practical experience with the technologies that we are educating them about. They are used to hearing from communications lawyers like me, or lobbyists, but it isn’t every day that they can hear first hand what the problems are in engineering an ENG shot from a remote truck to a receive site over a long path with an intervening Clarity omnidirectional Trucker TV transmission in between. They can hear first hand of the problems with wireless microphones failing in the middle of an ENG shot due to interference from a White Spaces Device (or an unlicensed Part 74 wireless mic from a church or playhouse near a live shot. It really is effective, because it is believable.

While in Washington, the SBE delegation also met with our “strategic partners” at NAB and MSTV, to discuss outstanding docket proceedings of common interest. We shared information and coordinated some further FCC activities in the various proceedings in which our organizations are currently engaged, together and separately. A productive two days, to say the least. SBE’s refocus in its advocacy program, using as a metric for our active participation the benefit to the member, should not be taken by anyone to be a deemphasis on government advocacy. Quite the reverse. We will be doing more BAS spectrum protection, for example, than we have done before. We will be doing much of it the way it most benefits the members – doing the old stand-up routine in D.C.
You already know that the SBE created the Program of Certification more than 30 years ago. It was created to establish a benchmark of technical ability and quickly became the de facto standard in broadcasting. You already know that SBE Certification is an ideal way to show your interest in your own career. What you might not know is what all the letters mean and how to get them added to your name.

First, why do we have the initials to represent the certifications? It's a shorthand. The full title is descriptive, but if you hold more than one certification, it can become quite a laundry list. It's mainly a simpler way to show your accomplishment.

Because SBE Certification is so well established, the Society began the process of registering the various names and initialisms. Many of the designations now carry the registration mark. For a review, Table 1 shows the levels and their initials. You will see that a few names and initialisms are not yet registered. It is possible to hold more than one certification. As you see in my byline, I hold two. Some levels advance in the same track, so an individual would not hold a CBRE and CSRE at the same time. In some cases, having all the certifications listed can become an alphabet soup. There are some examples below.

So what does one do with all the letters when several levels are held? You don’t have to list any, of course. You don’t have to list them all, either, although it certainly is impressive. Some people choose to list only the highest certification. Whatever you choose to choose, it is important to use the designations properly.

Also note that if you allow your certification to lapse, you cannot use the name or the initials at all.

When multiple levels are held, there is a hierarchy to determine how the initials should be arranged. Each level includes an experience requirement, so the highest certification comes first. Then there are a few parameters to follow in ordering the others.

While CBT and CBNT have no experience requirement, CBT is considered higher than the CBNT so it would precede it. Specialist certifications are associated with a host certification, so those initials are placed after the highest host. For example, AMD would follow CSRE.

Want some examples? Here are some real members and their current certifications:

- Jerry Massey, CPBE, 8-VSB, AMD, DRB CBNT
- Andrea Cummis, CBT, CTO
- Erick Steinberg, CSRE, AMD, CBTE 8-VSB, CBNT
- John Ross, CSRE, AMD, DRB, CSTE 8-VSB, CEA, CEV, CBNT

- Note Erick's AMD follows his CSRE and his 8-VSB follows his CBTE.
- John's case, the CEA and CEV could be in either order.

If you hold SBE Certification, display it proudly. Include it on your business cards. Have it included on the staff list at the station and on the station website. You earned it, so display it, and display it properly.

Table 1. The Color key indicates the experience required.

<table>
<thead>
<tr>
<th>Certification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPBE® – Certified Professional Broadcast Engineers®</td>
<td>20 years</td>
</tr>
<tr>
<td>CSRE® – Certified Senior Television Engineer</td>
<td>10 years</td>
</tr>
<tr>
<td>CSTE® – Certified Senior Radio Engineer</td>
<td>5 years</td>
</tr>
<tr>
<td>CBTE® – Certified Broadcast Television Engineer</td>
<td>Entry Level</td>
</tr>
<tr>
<td>CBRE® – Certified Broadcast Radio Engineer</td>
<td>Synced to Certification of 5-20 years</td>
</tr>
<tr>
<td>CEV® – Certified Video Engineer®</td>
<td>20 years</td>
</tr>
<tr>
<td>CEA® – Certified Audio Engineer®</td>
<td>10 years</td>
</tr>
<tr>
<td>CBT – Certified Broadcast Technologist®</td>
<td>5 years</td>
</tr>
<tr>
<td>CBNT® – Certified Broadcast Networking Technologist®</td>
<td>Entry Level</td>
</tr>
<tr>
<td>CTO® – Certified Television Operator®</td>
<td>Synced to Certification of 5-20 years</td>
</tr>
<tr>
<td>CRO – Certified Radio Operator®</td>
<td>5 years</td>
</tr>
<tr>
<td>AMD – AM Directional Specialist</td>
<td>Entry Level</td>
</tr>
<tr>
<td>8-VSB – 8-VSB Specialist</td>
<td>Synced to Certification of 5-20 years</td>
</tr>
<tr>
<td>DRB – Digital Radio Broadcast Specialist</td>
<td>Entry Level</td>
</tr>
</tbody>
</table>
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 so requested. If the request is approved, the person will continue in his/her current level of certification for life.

CERTIFIED PROFESSIONAL BROADCAST ENGINEER® (CPBE®)
Joseph Bartnik, Lawton, OK – Chapter 67
Joseph Davis, Manassas, VA – Chapter 37
David French, Clifton, NY – Chapter 58
Steve Sandlin, Huntsville, TX – Chapter 99
Christopher Scott, Bowling Green, OH – Chapter 103

CERTIFIED SENIOR TELEVISION ENGINEER (CSTE®)
John Caluger, Hendersonville, TN – Chapter 103

CERTIFIED BROADCAST NETWORKING TECHNOLOGIST® (CBNT®)
Joseph Bartnik, Lawton, OK – Chapter 67
Gilberto Muniz, Adjuntas, PR – Chapter 142

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®)
George Parson, Canton, CT – Chapter 14

SBE CERTIFIED SCHOOL COURSE COMPLETION

CERTIFIED BROADCAST TECHNOLOGIST® (CBT)
NAPA VALLEY COLLEGE
Justin Bernard, Napa, CA
Kisung Lee, Union City, CA – Chapter 40

AES EXAMS

CERTIFIED SENIOR TELEVISION ENGINEER (CSTE®)
Andrew Funk, Westbury, NY – Chapter 105

CERTIFIED SENIOR RADIO ENGINEER (CSRE®)
Robert Meuser, New York, NY – Chapter 15
Jeffrey Smith, Monroe Township, NJ – Chapter 15

CERTIFIED AUDIO ENGINEER® (CEA®)
Bradley Gardiello, Owings Mills, MD – Chapter 46
Alan Peterson, Springfield, VA – Chapter 37

CERTIFIED BROADCAST TECHNOLOGIST® (CBT)
John Caluger, Hendersonville, TN – Chapter 103
Christopher Scott, Bowling Green, OH – Chapter 103

SPECIAL PROCRECTED EXAMS
CERTIFIED SENIOR TELEVISION ENGINEER (CSTE®)
Shawn Moore, Eldersburg, MD – Chapter 132

CERTIFIED BROADCAST RADIO ENGINEER (CBRE®)
Stephen Smit, Seattle, WA – Chapter 16

CERTIFIED BY LICENSE
CERTIFIED BROADCAST TECHNOLOGIST® (CBT)
Garrett Bohannon, Washington, DC – Chapter 37
William Jones, Flower Mound, TX – Chapter 67

CERTIFIED BROADCASTOPERATOR® (CRO®)
Nathaniel Cantu, Edinburg, TX
Ben Fleming, Monroe, MI

PASADENA CITY COLLEGE
Rasheed Ali, Alexander Andres
Evelyn Bocanegra
Steve Delamater
Joram Dugay
Dwight Daniels
Michael Esquivel
Mike Anthony Estrada
Cristian Garcia
Federico Garcia
Patrick Harris
Alexander Solis

CERTIFIED TELEVISION OPERATOR® (CTO®)
Chris Argirotto, San Diego, CA
Norris Embry, Hawthorne, FL
Mike Garner, Broomfield, CO
Johnathan Cahuana, Los Angeles, CA
John Libby, Boulder, CO
Jeff Meinin, Urbansville, IA
A. Roberts, Edmonds, WA
Michael Walker, Norfolk, VA
Rambo Walker, Springfield, VA
Eric Williams, El Cajon, CA

DIRECTV
Blanca Alcala, Los Angeles, CA
Kara Arden, Los Angeles, CA
Alexis Brobby, Los Angeles, CA
Patricia Edmond, Los Angeles, CA
David Ewing, Los Angeles, CA

Erick Hueno, Los Angeles, CA
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Janice Moss, Los Angeles, CA
David Sherman, Los Angeles, CA
Michael Siegel, Los Angeles, CA
Patrick Tootle, Los Angeles, CA
Cecilie Wilson, Los Angeles, CA
Peter Wold, Los Angeles, CA
Daniel Wong, Los Angeles, CA
Ramon Villavicencio, Los Angeles, CA

CERTIFIED TELEVISION OPERATOR® (CTO®)
Mark Clark, Little Rock, AR
Fusil Guzman, Albuquerque, NM
Gregory Foss, Riverside, CA – Chapter 131
Myles Knowles, Kibei, HI – Chapter 65
Leticia Lawson, Dayton, OH
Gregg Tomczak, Duluth, MN
Timothy Williams, Kearney, NE – Chapter 87
Bradley Wright, Little Rock, AR
Brian Zylstra, Clearwater, FL

SBE President Vinny Lopez, CEV, CBNT, has named the committee chairs for 2009-10 as listed below. The committees are responsible for developing SBE policies and programs at the national level. All committees report to the Board of Directors.

Awards....................................James E. Leifer, CPBE
jim.leifer@hotmail.com

By-Laws....................................Gary Liebisch, CPBE
gary.liebisch@nautel.com

Certification..........................Jim Bernier, CPBE, CBNT
jbernier@sbe.org

Chapter Liaison.......................Mark Heller, CBRE, CTO
wgbw@lsol.net

EAS.................................Ralph Beaver, CBT
bevo@mediaalert.com

Education..................................David Priester, CPBE
dpriester@ithaca.edu

Fellowship.............................Troy Pennington, CSRE, CBNT
tray.pennington@cumulus.com

Finance.................................Jerry Massey, CPBE, CBNT
jmassey@entercom.com

Frequency Coordination.............Joe Snelson, CPBE
joe.snelson@meridith.com

Government Relations.............Barry Thomas, CPBE, CBNT
barryt@sbe.org

International........................Chuck Kelly
chuck.kelly@nautel.com

IT Strategy..........................Mark T. Simpson, CPBE, AMD, DRB
mark.simpson@citcomm.com

Marketing & PR......................Chris Scherer, CPBE, CBNT
cscherer@sbe.org

Membership...........................Scott Mason, CPBE
scmason@ctsbs.com

Nominations........................James E. Leifer, CPBE
jim.leifer@hotmail.com

Publications........................Conrad Trautmann, CPBE
trautmann@diad-global.com

Strategic Planning.............Ralph Hogan, CPBE, DRB, CBNT
rhogan@kraz.org

Student Chapter Subcommittee.Jeff Smith, CEA, CBNT
jeffsmith@clearchannel.com

Sustaining Membership.................Scott Mason, CPBE
scmason@ctsbs.com
President Vinny Lopez, CEV, CBNT presented a certificate to John Heimerl, CPBE (above left) and Christopher H. Scherer, CBPE, CBNT (above right) honoring them as the newest SBE Fellows during the National Awards Ceremony on October 7.

Chapter 22 Convention Chairman Tom McNicholl, CBTE and Chapter Chairman Chris Baycura, CEV was recognized for co-hosting the SBE National Meeting by Executive Director John Poray, CAE.

Retired FCC enforcement Bureau special counsel, Riley Hollingsworth was presented a thank you gift by President Vinny Lopez, CEV, CBNT for speaking at the SBE National Awards Dinner.

Tim Anderson, CSRE, DRB, CBNT accepts the award for Best Technical Article presented by President Vinny Lopez, CEV, CBNT.

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Above Left: President Vinny Lopez, CEV, CBNT introduces the 2010 Board of Directors (L-R): Christopher H. Scherer, CPBE, CBNT, Jerry Massey, CPBE, 8-VSB, AMD, DRB, CBNT, Ralph Hogan, CPBE, DRB, CBNT, Jim Leifer, CPBE, Ted Hand, CPBE, 8-VSB, AMD, David Priester, CPBE, Andrea Cummis, CBT, CTO, Joe Snelson, CPBE, 8-VSB, Ralph Beaver, CBT, Jim Bernier, CPBE, CBNT, Scott Mason, CPBE, Jeff Smith, CSRE, CBNT and Mark Simpson, CPBE, AMD, CBNT (not pictured).

Above Right: SBE General Counsel Chris Imlay, CBT inducted the newly elected Directors Christopher H. Scherer, CPBE, CBNT, Jerry Massey, CPBE, 8-VSB, AMD, DRB, CBNT, with the collection of publications during his two years of service and the past president’s gavel plaque during the Membership Meeting.

Left: Executive Director John Poray, CAE presented Immediate Past President Barry Thomas, CPBE, CBNT, with the collection of publications during his two years of service and the past president’s gavel plaque during the Membership Meeting.

Students from the Cayuga Community College recorded a live webcast of the SBE Membership Meeting.

During the Membership Meeting Jeff Miller, CTO was recognized for receiving the Ennes Youth Scholarship.

(L-R): Executive Director John Poray, CAE, President Vinny Lopez, CEV, CBNT, Past President Ed Miller, CPBE, Jeff Miller, CTO, Immediate Past President Barry Thomas, CPBE, CBNT and Past President Chris Scherer, CPBE, CBNT.

SBE members and guests attended the 2009 SBE National Awards Dinner. This annual event was held at the Turning Stone Resort and Casino in Verona, N.Y. as part of the SBE National Meeting, in conjunction with the Chapter 22 37th annual Broadcast & Technology Expo.

The Society of Broadcast Engineers would like to thank Vislink News & Entertainment & Kathrein Inc., Scala Division for sponsoring the 2009 National Awards Dinner & Annual Fellows Breakfast.
SBE Education Survey Summary

September – October 2009

BY David Priester, CPBE
SBE Education Committee Chairman

As part of the Education committee’s long range planning efforts a survey related to continuing education was sent to members via email on September 24. The goal was to find out how members feel about the current services, better understand the topics they desire, and how and when it is convenient. Members had three weeks to complete the survey. Following is a summary of the findings.

4173 members received the survey via email. 1002 members responded to at least some of the survey (24%), while 848 of those completed the entire survey (20%).

96.6% of respondents said that continuing education is important to them.
74.5% of respondents are using SBE for their continuing education needs. 25.5% are not.

82.8% of respondents said their employers provide work time (at least sometimes) to participate in continuing education. 17.2% said employer does not. 67.5% of respondents said their employers cover costs (at least sometimes) to participate in continuing education. 32.5% said employer does not.

32% of respondents stated that they take 2-3 days of continuing education per year. 11% (102 respondents) said they take zero days of continuing education per year. That said, 89% of respondents take at least one day per year.

The most important factors in deciding whether or not to take a course were (1) quality and (2) relevant topic, followed by (3) ability to take course anytime, day or night, (4) cost, (5) available online, (6) location – near where I live, (7) meets (re)certification requirements, (8) course length and (9) recommended by another member, in that order.


Members could list other topics of interest. One that seemed to come up the most was IT.

Only 5% of respondents have taken a course on SBE University. 74% of respondents said they are considering taking an online course. 53.4% thought that SBE University is beneficial and valuable to them as a way to learn. 44.6% were indifferent (maybe due in part to having never taken a course through SBE University).

95.1% of respondents thought it was at least ‘Somewhat Important’ for SBE to offer a leadership / management development course designed for broadcast engineers. The top three factors people consider when deciding whether or not to attend the Leadership Development Course in order are: Location, followed by Registration Cost and Travel Costs. Course dates came in at a close 4th.

Days of the week that would be most convenient for members to attend the Leadership Development Course (3 day course): 36% said Friday, Saturday and Sunday, followed by 29.5% that said Tuesday, Wednesday and Thursday, and 28.8% that said Monday, Tuesday and Wednesday. 27.4% thought Wednesday, Thursday and Friday would be most convenient. 26.2% thought Saturday, Sunday and Monday would be most convenient. One could conclude that the weekday options (chosen by 764 respondents) were preferred over the options offering weekend days (chosen by 555 respondents).

Top months that respondents would be unavailable for this three-day course:

- 31.8% December
- 26% November
- 40% said any month is fine

Destinations respondents would consider traveling to for the Leadership Development Course:

- 28.3% (252) - Las Vegas
- 23.3% (208) - Chicago
- 20.6% (184) - Atlanta
- 20.2% (180) - Washington, D.C.
- 19.1% (170) - Indianapolis

see EDUCATION on page 14
and will directly address the issues of the digital transition, featuring some of the best topical experts in the industry. Here are just some of the topics and speakers confirmed for the program:

The Workshop will open at 8:00 am with Audio over IP Tutorial with Media Technology Consultant, Skip Pizzi. This will be an introduction to AoIP systems and their application to radio broadcasting systems.

The Next Generation of EAS will be discussed by Clay Freinwald, CPBE, RF Engineer with Entercom and long-time member and former chairman of the SBE’s EAS Committee. With a new EAS System and the Common Alerting Protocol (CAP) on the horizon, Clay will provide the latest information surrounding the advances and they will impact broadcasters and broadcast engineering.

Richard Chernock of Triveni Digital will present, Considerations for adding MobileDTV to a Broadcast Station. ATSC MobileDTV is a new, emerging technology. Richard will discuss the considerations necessary for adding MobileDTV.

Peter Symes, Director of Standards & Engineering with the Society of Motion Picture and Television Engineers (SMPTE), will provide an update on new broadcasting standards in those in the works.

Terry Baun, CPBE, AMD, CBNT, Director of Engineering and Operations of the Wisconsin Educational Communications Board, will present Management/Media Skills and the Communications Board, will present, Considerations for adding broadcasting standards in those in the works.

To attend the Ennes Workshop during the NAB BEC, you must be registered through NAB BEC.

of The SBE Signal and in January, on the SBE website, www.sbe.org.

A nine-member committee, chaired by Joe Snelson, CPBE of Meredith Broadcasting, along with NAB staff and SBE/Ennes representatives, are engaged in the planning the six-day BEC. Other members of the committee include: Dom Bordonaro, CSRE, Cox Radio; Michael Cooney, CSRE, Beasley Broadcast Group; David Folsom, Raycom Media; Thomas Hankinson, ABC; Jim Kutner, PBS; Andy Laird, Journal Broadcast Group; Glenn Reitmeier, NBC Universal and Jeff Smith, Clear Channel Radio.

Working with the committee in addition to SBE/Ennes representative Fred Baumgartner, CPBE are John Marino of NAB and John Poray of SBE.

Papers for the conference were recently selected by the committee. The complete program will be available on the NAB website, www.nab.org, in January. Registration and hotel information can also be found at the NAB website.
A brief look back and then forward ...

BY John Poray, CAE
SBE Executive Director

The SBE National Meeting, held October 6-7 in Verona, N.Y. with Chapter 22’s Broadcast & Technology Expo, was a great success. Hundreds of SBE members and students attended the trade show and the technical papers presented by the chapter. The National events were well attended too. Be sure to check out the article and photos in this issue of the Signal.

This was the 37th regional convention produced in the Central New York area and the members of Chapter 22 know how to do it. The average attendee saw a smooth running event with lots of quality vendors, good paper presentations and enjoyable social opportunities. Our thanks to Chapter 22 for hosting the National Meeting and a special thank you as well for their work to produce the SBE National Webcast. If you missed it, the one-hour webcast is available for viewing by visiting the SBE website.

The national board of directors met during the National Meeting and among their action was to approve an operating budget for 2010. In spite of pressures on income and expenses (we feel them too), the budget keeps all membership dues at their current levels for another year.

The board also approved the national committee chair appointments as proposed by incoming president, Vinny Lopez, CEV, CBNT. A list of the new chairman assignments can be found on page seven of this issue of the Signal.

One of our national committees is the Chapter Liaison Committee, chaired this next 12 months by first-time board member, Mark Heller, CBRE, CTO of Two Rivers, Wis. Part of the responsibilities of Mark’s committee is to assign each member of the board to serve as a liaison to a number of chapters. Those assignments can be found on the SBE website in the “Chapter Info/Chapter Administration” section. In this capacity, the board member serves as a resource to the chapter for ideas and support, a sounding board for chapter leadership and a communication conduit between the chapter and the national board. Call on your liaison when ever you have a question, need or concern related to your chapter or your membership.

Chapter Rebate Reminder

Chapter chairs and secretaries are reminded that the SBE National Office supplies ready-made forms to report your chapter meeting programs, attendance and annual election of chapter officers. All are available on the SBE website in the Chapter Info/ Administration section. Chapters that submit evidence of five or more meetings held during 2009, using these forms or adequate substitutes, will be eligible to receive a cash rebate of a portion of National dues paid by local members. The rebate will be paid in June of 2010 and is to be used to support the chapter’s programs. Meeting reports should be submitted to the National Office by January 15, 2010.

Membership Renewal Made Easy

Membership renewal time will be coming up in just a couple of months and you’ll be able to accomplish your renewal quickly, easily and securely with SBE’s new on-line, automated member renewal system using a credit card. Your renewal mailing, coming in early February, will provide the details.

At this holiday time I’d like to extend best wishes to all members and a special thank you to the many of you who serve in leadership positions within the 114 SBE local chapters and at the national level. Your efforts are what make SBE the successful organization it is. I hope you enjoy the holidays.

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### New Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lynne W. Alexander</td>
<td>Tucson, AZ</td>
</tr>
<tr>
<td>William A. Gibson</td>
<td>Seattle, WA</td>
</tr>
<tr>
<td>Rodney W. Simon</td>
<td>Chicago, IL</td>
</tr>
<tr>
<td>Franklin Thomas</td>
<td>Grapevine, TX</td>
</tr>
<tr>
<td>Kenneth R. Cook</td>
<td>Eugene, OR</td>
</tr>
<tr>
<td>Michael J. Holick</td>
<td>Bryan, TX</td>
</tr>
<tr>
<td>Michael Turfler</td>
<td>Brandywine, MD</td>
</tr>
<tr>
<td>James E. Whedbee</td>
<td>Gladstone, MO</td>
</tr>
<tr>
<td>Robbie Winter</td>
<td>Littleton, CO</td>
</tr>
<tr>
<td>William A. Delehanty</td>
<td>Stoughton, WI</td>
</tr>
<tr>
<td>T. Brian O’Neal</td>
<td>Ridgetop, TN</td>
</tr>
<tr>
<td>Charles H. Ferry, Jr.</td>
<td>Cary, NC</td>
</tr>
<tr>
<td>Shane L. Fortin</td>
<td>San Diego, CA</td>
</tr>
<tr>
<td>Matt W. Hall</td>
<td>San Diego, CA</td>
</tr>
<tr>
<td>Mark A. Johnson</td>
<td>Fairfax, VA</td>
</tr>
<tr>
<td>Juan Ramirez</td>
<td>Brownsville, TX</td>
</tr>
<tr>
<td>Kwok Man Cliff Wong</td>
<td>Kowloon, Hong Kong</td>
</tr>
<tr>
<td>Thomas C. Ballister</td>
<td>Truckee, CA</td>
</tr>
<tr>
<td>Justin Berrum</td>
<td>San Diego, CA</td>
</tr>
<tr>
<td>Luis Contreras</td>
<td>Gilroy, CA</td>
</tr>
<tr>
<td>Alan J. Shea</td>
<td>Goshen, IN</td>
</tr>
<tr>
<td>Frank Gardner</td>
<td>Winter Garden, FL</td>
</tr>
<tr>
<td>Justin Bernard</td>
<td>Napa, CA</td>
</tr>
<tr>
<td>Peter Bankwitz</td>
<td>Detroit, MI</td>
</tr>
<tr>
<td>Bryan Black</td>
<td>Overton, TX</td>
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<tr>
<td>Thomas L. Hubler</td>
<td>Marion, IL</td>
</tr>
<tr>
<td>Chan Kam Wing</td>
<td>Hong Kong</td>
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<tr>
<td>Juan J. Sigona Perez</td>
<td>Durango, Mexico</td>
</tr>
<tr>
<td>Alfredo Gonzalez</td>
<td>Perris, CA</td>
</tr>
<tr>
<td>Dan MacDonald</td>
<td>Sandy, OR</td>
</tr>
<tr>
<td>Todd Sprinkle</td>
<td>West Chester, PA</td>
</tr>
<tr>
<td>Brandon Cislak</td>
<td>Enfield, CT</td>
</tr>
<tr>
<td>Charles D. Niday</td>
<td>Green Bank, WV</td>
</tr>
<tr>
<td>Jenna Robitaille</td>
<td>San Clemente, CA</td>
</tr>
<tr>
<td>Gene W. Wisniewski</td>
<td>Wendell, ID</td>
</tr>
<tr>
<td>Larry S. Varner</td>
<td>Kansas City, MO</td>
</tr>
<tr>
<td>Bob Bush</td>
<td>Warrenton, VA</td>
</tr>
<tr>
<td>James R. Gorr</td>
<td>Las Vegas, NV</td>
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<tr>
<td>Mark A. Ure</td>
<td>Palatine, IL</td>
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<tr>
<td>Anthony Vitiello</td>
<td>Stevenson Ranch, CA</td>
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<tr>
<td>Jonathan S. Abrams</td>
<td>Jersey City, NJ</td>
</tr>
<tr>
<td>Daniel Loeffler</td>
<td>Bellingham, WA</td>
</tr>
<tr>
<td>Jeffrey B. Gascot</td>
<td>Mantua, NJ</td>
</tr>
<tr>
<td>Thomas E. Watson</td>
<td>Orton Township, MI</td>
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</tbody>
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### New Student Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brett Patram</td>
<td>Solon, OH</td>
</tr>
<tr>
<td>Arthur Elie</td>
<td>Miami, FL</td>
</tr>
<tr>
<td>Marissa Acosta</td>
<td>Somerville, MA</td>
</tr>
<tr>
<td>Kim Pong Chan</td>
<td>Kowloon, Hong Kong</td>
</tr>
<tr>
<td>Wai Oi Che</td>
<td>Kowloon, Hong Kong</td>
</tr>
<tr>
<td>Man Kit Cheng</td>
<td>New Territories, Hong Kong</td>
</tr>
<tr>
<td>Yuk Fung Cheung</td>
<td>Kowloon, Hong Kong</td>
</tr>
<tr>
<td>Kwok Ching</td>
<td>NT, Hong Kong</td>
</tr>
<tr>
<td>Cher Chung</td>
<td>NT, Hong Kong</td>
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<tr>
<td>Wong Chung Yiu</td>
<td>Kwun Tong, Hong Kong</td>
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<tr>
<td>Ka Ki Ho</td>
<td>Kowloon, Hong Kong</td>
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<tr>
<td>Kam Ming Ho</td>
<td>Kowloon, Hong Kong</td>
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<tr>
<td>Tsang Hon Ching</td>
<td>NT, Hong Kong</td>
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<tr>
<td>Cheng Ka Man</td>
<td>Chai Wan, Hong Kong</td>
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<tr>
<td>Leung Ka Ue</td>
<td>Kowloon, Hong Kong</td>
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<tr>
<td>So Ka Yu</td>
<td>Kowloon, Hong Kong</td>
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<tr>
<td>Wan Lai Ho</td>
<td>Tseung Kwan O, Hong Kong</td>
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<tr>
<td>Ka Lok Lam</td>
<td>Kowloon, Hong Kong</td>
</tr>
<tr>
<td>Wan Wui Lam</td>
<td>Kowloon City, Hong Kong</td>
</tr>
<tr>
<td>Ka Lok Lee</td>
<td>Kowloon, Hong Kong</td>
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<tr>
<td>Kwok Ming Lee</td>
<td>NT, Hong Kong</td>
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<tr>
<td>Man Chun Li</td>
<td>Shau Kez Wan, Hong Kong</td>
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<tr>
<td>Ho Lai Mak</td>
<td>NT, Hong Kong</td>
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<tr>
<td>Wong Man Ho</td>
<td>NT, Hong Kong</td>
</tr>
<tr>
<td>Sun Hang Mok</td>
<td>Aberdeen, Hong Kong</td>
</tr>
<tr>
<td>John Mole</td>
<td>Corona, CA</td>
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<tr>
<td>Tszi Ki Ng</td>
<td>NT, Hong Kong</td>
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<tr>
<td>Hong Yan Pang</td>
<td>Kowloon, Hong Kong</td>
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<tr>
<td>Chung Man Seto</td>
<td>Kowloon, Hong Kong</td>
</tr>
<tr>
<td>Tsun Kei Soo</td>
<td>Kowloon, Hong Kong</td>
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<tr>
<td>Fok Wang Cheng</td>
<td>Hong Kong</td>
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<tr>
<td>So William</td>
<td>NT, Hong Kong</td>
</tr>
</tbody>
</table>

### New Associate Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duncan Boggs</td>
<td>San Antonio, TX</td>
</tr>
<tr>
<td>Tom Platt</td>
<td>Phoenix, AZ</td>
</tr>
<tr>
<td>Gary Schwab</td>
<td>Yorba Linda, CA</td>
</tr>
</tbody>
</table>

### Reinstated Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scott D. Nelson</td>
<td>Plano, TX</td>
</tr>
<tr>
<td>Ronald C. Barnes</td>
<td>Marion, CT</td>
</tr>
<tr>
<td>Stephen E. Dinkel</td>
<td>Lees Summit, MO</td>
</tr>
<tr>
<td>Richard H. Madouse</td>
<td>Elkhorn, WI</td>
</tr>
<tr>
<td>Jeffrey Williamson</td>
<td>San Diego, CA</td>
</tr>
<tr>
<td>Derik A. Bazemore</td>
<td>Freeport, NY</td>
</tr>
<tr>
<td>Stanley J. Chayka</td>
<td>Manheim, PA</td>
</tr>
<tr>
<td>Joseph M. Fleming</td>
<td>Rochester, NY</td>
</tr>
<tr>
<td>Rick J. Hutchason</td>
<td>Converse, TX</td>
</tr>
<tr>
<td>Jeffrey S. Heimburger</td>
<td>Phoenix, AZ</td>
</tr>
<tr>
<td>Paullette Hooker</td>
<td>Dallas, TX</td>
</tr>
<tr>
<td>Emir Onat</td>
<td>San Diego, CA</td>
</tr>
<tr>
<td>James R. Romeo</td>
<td>Vancouver, WA</td>
</tr>
<tr>
<td>Timothy E. Berry</td>
<td>Knoxville, TN</td>
</tr>
<tr>
<td>Billy F. Schultze</td>
<td>Honolulu, HI</td>
</tr>
</tbody>
</table>

### Reinstated Senior Members

<table>
<thead>
<tr>
<th>Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Richard F. Arsenault</td>
<td>Three Churches, WV</td>
</tr>
</tbody>
</table>

The Society of Broadcast Engineers would like to welcome its newest members to the organization!
In the Circle ... a snapshot of an SBE Member

Amanda Alexander, CBT
Chief Engineer, Crawford Broadcasting; Denver, Colo.

Joined SBE in 2006, Chapter 48

Focal Point: I value the networking in SBE. I have made several friends through the SBE with other engineers. Through these friendships I am able to learn more, I can count on these gentlemen to help me if needed as well as me help them if they need it.

Involvement with SBE: SBE I attend several SBE meetings every year. I participate in the IRLP HamNet held the first and third Saturdays of each month. This is a place several engineers around the Denver Metro area come to talk about the things happening at their local stations and to also get help with various things if needed.

Job Satisfaction: There’s not just one aspect of my job I like most. I love the fact that I get to do a little bit of everything. I get to work on computers. I get to work on transmitters. I get to mow and work outside. It all excites me. Most people do just one thing for their job. I get to do a bit of everything. I get to really enjoy the Colorado weather because I’m not always stuck inside behind a desk.

Getting Started: I grew up around the industry. As a young girl I’d go to my dad’s office and run around and I got to see everything. I also was allowed to help out some with various projects my dad was involved in with at the company.

Pictured Here: This is me on my ATV in the Stillwater Pass area near Granby, Colo.

EDUCATION from page 10

76% of respondents said they have not attended a webinar such as the RF Safety Course. 93.7% said they would consider attending one in the future. 71% of respondents thought Webinars were beneficial and valuable to them as a way to learn. 26% were indifferent. 1.7% (15 ppl) do not think they are beneficial.

Time of day people prefer to participate in a webinar:
21.9% preferred the afternoon (Eastern)
18.6% preferred the morning (Eastern)
16.6% had no preference

Days of the week members would not be available for a live webinar:
45.3% noted Sunday
39.7% noted Saturday
35.1% said any day is fine

57 names were submitted as potential experts who might be willing to contribute to SBE’s education efforts. The national office, in conjunction with the education committee, is working to contact and confirm their interest in reviewing, creating or presenting education.

Immediate goals for using the information gleaned from this survey include identifying relevant topics and instructors to create SBE University self-study courses and webinars, especially as they relate to preparing members for certification or recertification.

The detailed survey findings are available on our website at www.sbe.org under Education / SBE’s Role.
HiLights, Inc.
IT'S IMPRESSIVE, WHAT WE DO

HiLights is a provider of premier services for the antenna tower industry. We have serviced towers in every corner of the lower 48 states. We are available for weekend and night service and work in conjunction with broadcast engineers to minimize downtime and provide a safe working environment.

HiLights focuses on the core requirements of tower maintenance by providing the following essential services:

Install, Repair, and Maintain:

- Antenna Systems
- Transmission Lines
- Obstruction Lights
- Elevators

HiLights maintains a staff of trained field technicians supported by fleet trucks and field inventory. HiLights prides itself on 'doing the job right the first time'. We attribute this to superior field personnel training and by providing skilled centralized technical support staff.

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