Society seeks new membership connections

New members are the future of the Society of Broadcast Engineers. Sponsor a new member during the 2012 Membership Drive and help connect the society’s present with the future.

Members of the SBE, who recruit a new member during the drive, are entered into a drawing to win a trip to the SBE National Meeting in Denver and prizes donated by Sustaining Members. Members earn one entry for each new member and five entries for each new Sustaining Member.

The grand prize winner of the SBE Membership Drive is granted a trip to the SBE National Meeting in Denver, Colorado, October 23-24. The prize package includes round trip airfare for one; all SBE National Meeting registration fees; and two nights at the Crowne Plaza Hotel.

In addition to the prizes all sponsors receive $5 off 2013 membership dues for each new recruit, up to $25. The current member must be listed as the sponsor on the application to be eligible for discounts and prize entries.

Additional prizes include a $50 American Express gift card courtesy of Henry Engineering; an Ebtech Swizz Army cable tester courtesy of Broadcast Supply Worldwide (BSW); a 10-pack of Report-it licenses courtesy of Tieline; a Leatherman New Wave Multi-Tool With Nylon Sheath courtesy of Broadcast Microwave Services (BMS); and five copies of Networking for Dummies, 9th Edition by Doug Lowe courtesy of John Wiley and Sons.

Membership meets during NAB Show

Each year in April, many who make their living in the broadcast and media industry converge in Las Vegas for the annual NAB Show. That includes many members of the SBE who take part in the NAB Broadcast Engineering Conference, walk the show floor to view many of the more than 1,000 exhibits and spend some time meeting up with old friends. The SBE will have plenty of activity at the 2012 show with the highlight being the spring membership meeting on Tuesday, April 17.

The SBE will recognize 25 members who have reached incremental service milestones in volunteer service as the certification chairman for their local chapter. The names of those being recognized appear on page 6 of this issue. Also being recognized are two five-year members of the national SBE Certification Committee, Cris Alexander, CPBE, AMD, DRB and David Priester, CPBE. The meeting agenda also includes updates on society programs and developments by SBE President Ralph Hogan, CPBE, DRB, CBNT and several other national leaders.

The membership meeting is scheduled for Tuesday, April 17. To learn more and for copies of the membership application visit the SBE website at http://www.sbe.org. The 2012 Membership Drive ends May 31. Applications must be received before the deadline for sponsor prize eligibility.
Ralph Hoge, CPBE, DRB, CBNT President KJZS/KJMMX FM • Topeka, KS • rhoge@kjc.com
Joe Soutello, CPBE, BS-VSB Vice President Cumulus Broadcast Group Henderson, Nev. • joe.soutello@cumulus.com
James E. Leifer, CPBE Secretary Cumulus Broadcast Group Boynton Beach, Fla. • jleifer@hotmail.com
Jerry Massey, CPBE, BS-VSB, AM, DRB, CBNT Treasurer KJZZ-FM/KBAQ-FM • Tempe, Ariz. • jmassey@kjzz.org

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Mark Hohler, CPBE, CTS WIII and WNO Radio Evans, Pa. • wney@toptje.com
Charles "Chad" Koehler, CPBE, BS-VSB, CBNT Georgia Public Broadcasting Atlanta, Ga. • david.koehler@gpb.org
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Gary Linklater, CPBE KJCR, Inc. Powell, Ohio • garylinklater@gmail.com
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David Prisler, CPBE Indiana College Bluffton, Ind. • dprisler@indiana.edu
Gary Stilp, CPBE Broadcasting Technical Consultant San Luis Obispo, CA • gary.stilp@gmail.com
Conrad Truessler, CPBE iBiquity Digital New York, NY • ctruessler@ibiquity.com
Vincent A. Lopez, CEV, CBNT Immediate Past President WTEL/WOVS TV • Garves, NY • vl Lopez@drb.org

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"We use BRIC-Links for our main STL on 107.7 FM, one of the satellite stations for WTOP, with very good results. I was pleasantly surprised at just how easy it is to set up a pair of BRIC-Links out of the box. I had my final configuration within two minutes of powering up the units. We're running AAC audio that sounds every bit as good as the circuits to our other transmitter sites.

We had been struggling for about a year to find a reliable audio STL to our transmitter site on top of a mountain in Warrens, VA. The telco lines degraded every time it rained, causing dropouts in our T1 and ISDN service. This summer, when services that did not rely on the leaky copper cables were finally built out at the site, we tried a pair of BRIC-Links on our new broadband Internet service. We've kept our transmitter on them ever since. We're going to be purchasing more pairs of these units to feed audio to our other sites."

David Kolesar, Senior Broadcast Engineer Bonneville International Corporation

And, honestly, we're kind of proud, too.

We design our products to be dependable. So, you can use them with confidence. As we always say, we’re kind of proud, too. And, we’re kind of proud, too.

When you buy broadcast equipment from BSW, not only do you get your gear at the lowest price with the fastest delivery from the best people in the biz—you also get the REALLY important (delicious) stuff!

SBE accepts past due renewal forms

Society members who forgot to renew their membership before the April deadline still have time to renew. Those in the Member, Senior, Student, Associate and Fellow membership categories should return the renewal form or renew online.

There is no increase in membership dues for the 2012-13 year. Dues are $68 for the April 1, 2012 through March 31, 2013 membership year. Student member dues remain at $20.

Youth and Sustaining Members renew in the 2012-13 year. Dues are $68 for the April 1, 2012 through March 31, 2013 membership year. Student member dues remain at $20.

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Member who did not receive a renewal reminder by mail should contact Scott Jones at the SBE National Office at (517) 846-9000 or kjones@sb.org.
Every five or six years we step back and take a comprehensive look at the approach the society is taking to meet member needs. Progressive developments and additions are essential for the SBE to remain relevant, and the SBE will hold a strategic planning conference on Saturday, June 23, 2012, in Indianapolis, Indiana to discuss the direction of the society.

The SBE was formed to support and promote broadcast engineering. The society continues to shape the industry and careers of thousands of engineers working today. Members are invited to discuss the future and plot the course of the Society at an all-day strategic planning conference. Past conferences have been extremely helpful to guide the society, improve member services and focus the effort of the organization toward specific goals.

I invite you and each of the SBE chapter chairpersons to join with the national board of directors and staff to attend this important event. I encourage all chapters, with the support of directors and staff, to attend this important meeting. I invite you and each of the SBE chapter chairpersons to join with the national board of directors and staff to attend this important event. I encourage all chapters, with the support of directors and staff, to attend this important meeting.

The conference is available for attendees. To reserve a room, call (800) 315-1906 by May 23. A limited number of rooms are available at the special rate. The SBE will provide breakfast, lunch and dinner on the day of the conference to participants. In addition to the strategic planning conference, a plan to better educate broadcast engineers through an SBE mentor program is underway. The executive committee established a new mentoring subcommittee under the SBE education committee at the January meeting in Orlando.

A committee chairperson will be appointed in the near future. Several society members have expressed interest to serve on the mentor committee. Once the committee is formed, it will develop criteria for those who wish to become mentors for the society. Look for more information on this exciting new addition in forthcoming issues of The Signal and other SBE publications.

I look forward to your participation in the upcoming events and new programs.

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Does your broadcast station have a van or a fleet of vehicles for remote broadcasts? An ENG or SNG truck? Do you drive them? If so, you might want to check to see whether or not you need a Commercial Driver's License (CDL) issued by the state pursuant to the standards set by the Commercial Motor Vehicle (CMV) Safety Act of 1986. If you already have a CDL, you should check to see whether another state could issue you the license.

The federal Motor Carrier Safety Administration affects you. The 1986 Act set minimum standards for state-issued CDLs. These rules generally affect drivers of larger buses and trucks. The federal standards are minimum standards, which means that the states can enact more rigorous standards for CDLs, but not less stringent ones. There are also commercial CMV drivers, each essentially applying to either heavy trucks, i.e., gross vehicle weights of 26,000 pounds or more or any vehicle towing a 10,000 pound or heavier vehicle; or a single vehicle or a combination of vehicles that is designed to transport 16 or more passengers or is transporting hazardous materials. If one of these three classes of CMV is owned by your station and you are going to drive it, you need to have a CDL, regardless of whether you are engaged in interstate or intrastate or even foreign commerce (broadcasting is by definition interstate commerce in all cases, by the way).

Whether or not you need a CDL is not really the topic today, however. It is more about radio operating while driving a motor vehicle. You have all heard of the hands-free requirements for operating cellular telephones for traffic flow in some municipalities. Some states prohibit all cellular operation.

I am sure that most broadcast engineers are prudent drivers and do not get distracted while driving on the job. What, however, can a broadcast engineer do about two-way communication while driving a motor vehicle in the course of his or her work? Are hands-free devices legal or is it better to wait until the next red light to have a phone conversation?

The SBE suggests that employees present
to the meeting in June or, if no one from your chapter is able to attend, your comments may be sent to SBE Strategic Planning Committee Chairman David Pryor at Pryor@verizon.net. The Cleveland Institute of Electronics offers nationally accredited distance learning programs in electronics and computer technology. Partial list programs offered:

- Wireless Communications
- Electronics Specialization in Electronics
- Communications
- Audio/Video Engineering
- Electrical and Computer Engineering
- Networking Technologies
- New PLCCourse

Gain approval for leadership development course from employer

Is it difficult to obtain company approval to attend the SBE Leadership Course? The SBE website includes information on how to justify professional development to an employer and attend the July 31-August 2 course in Atlanta, Ga. Tips on how to approach a company to support participation in this and other courses are listed in the SBE's Summer 2012 newsletter at www.sbe.org. Considerations and discussion points about how to present the opportunity to a manager and a sample memorandum are available on the SBE website.

Register for the leadership course is July 13. The SBE suggests that employees present the purpose for his or her attendance in a professional manner. Personal benefits, which also aid organizations, are objectives that one may state. Achievements often made by attendees and valid reasons to attend include specific personal benefits, such as increased professional development, revenue or decrease cost. Often attendees learn to resolve a current company issue.

The course differs from other management or leadership courses as it is geared towards broadcast engineers. The leadership training for this specific niche of engineering provides the opportunity for interactive challenges and learning techniques to resolve problems often found in broadcast engineering.

With registration, attendees receive the Leadership Development Webinar Series to prepare for the course. The cost for members of the SBE is $590 and $640 for non-members. Tips on how to budget course expenses are available on the SBE website.
the problem with all of the state mobile cellular legislation and statutes floating around these days is the definitions. The problem is always trying to figure out what "wireless communications devices" or "mobile telecommunications" are encompassed by the state mobile cellular legislation being interpreted, and therefore what is prohibited and what is not. The CRL rules on mobile phones are no exception. They apply to "commercial mobile radio services" but exclude "two-way or Citizen's Band radio services." Huh? Are we to understand that there is some difference between two-way radios and "commercial Mobile Radio Services"? Well, actually, there is a distinction that can be applied, but whether it was intended to be a distinction in this context is debatable. Traditionally, in FCC jurisprudence, "commercial Mobile Radio Services" have always been interpreted to mean those land mobile systems that are interconnected with the public switched telephone network. PMRS systems are not interconnected. So, if you have a regular two-way radio or an RPU radio in my SNC truck which is not interconnected, it is at least subject to the Federal CRL rules. Use of it while driving may still violate your state's motor vehicle law, however. Better check it.

It is best not to use any radio with a touch-tone pad in it while driving a CMV or in any state in which mobile telephones are prohibited. The FCC has been trying to figure out what "commercial mobile radio services" are, and what is not. The CRL rules on mobile phones are no exception. They apply to "commercial mobile radio services," but exclude "two-way or Citizen's Band radio services." Huh? Are we to understand that there is some difference between two-way radios and "commercial Mobile Radio Services"? Well, actually, there is a distinction that can be applied, but whether it was intended to be a distinction in this context is debatable. Traditionally, in FCC jurisprudence, "commercial Mobile Radio Services" have always been interpreted to mean those land mobile systems that are interconnected with the public switched telephone network. PMRS systems are not interconnected. So, if you have a regular two-way radio or an RPU radio in my SNC truck which is not interconnected, it is at least subject to the Federal CRL rules. Use of it while driving may still violate your state's motor vehicle law, however. Better check it.

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Meetings and events that take place in the Las Vegas Convention Center (LVCC) are indicated. The SBE meetings during the NAB Show are held at the Las Vegas Hotel and Casino (LVH) unless otherwise indicated.

### Ennes Workshop

**Saturday, April 14**

- **Time:** 6:30-11 p.m.
- **Location:** LVCC South Hall, 2nd floor, S225
- **Details:** The Ennes Workshop on Saturday, April 14 through Thursday, April 19 offers dozens of technical papers that cover the spectrum of broadcast and media technology are presented. As part of the conference, the society’s Ennes Educational Foundation Trust, in cooperation with PBS, presents the Ennes Workshop.

The SBE has arranged for special show registration discounts for members who are not employed by NAB member companies. The SBE Partner Rate, which is $100 off the NAB non-member rate for either the Smart Pass or Flex Pass registration, or a free Exhibits Only pass, are available. Visit the SBE website, www.sbe.org, and click on the NAB Show icon to register using the special codes. A Smart Pass, Flex Pass or conference day pass is required for the annual Ennes Workshop.

### SBE Meeting Locations

Visit http://www.sbe.org or see the chart below for more information about the 2012 NAB Show and detailed information about events.

### SBE Schedule of Events

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<thead>
<tr>
<th>Day</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td><strong>Saturday, April 14</strong></td>
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<tr>
<td><strong>Ennes Workshop</strong></td>
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<tr>
<td>8 a.m.-5 p.m.</td>
<td>Conference registration required</td>
<td>LVCC South Hall, 2nd floor, S225</td>
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<tr>
<td>Certification Committee Meeting</td>
<td>3 p.m.-4:30 p.m. Conference Room 6</td>
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<td><strong>Sunday, April 15</strong></td>
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<td>SBE Board of Directors Meeting</td>
<td>Conference Rooms 11, 12</td>
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<td>Frequency Coordinators Meeting</td>
<td>Conference Rooms 9 &amp; 10</td>
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<td></td>
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<td><strong>Tuesday, April 17</strong></td>
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<td></td>
<td>SBE Certification Exams</td>
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### SBE Souvenir Items

- **Shipping**: Use the special shipping code at www.solidstatelogic.com to get your SBE logo products, including shirts and hats.

### SBE Bookstore

The SBE bookstore will feature broadcast technical books from well-known publishers and those within the broadcast industry. Members are able to receive their membership at the booth and renew their membership at the booth and the society also accepts new membership applications during the show. The SBE logo items including shirts, hats, decorative microphones and other items are available for purchase. Information is available about society services including certification, education, JobsOnline, Resume Service, insurance coverage and sample contracts for use by contract engineers.

The SBE is proud to partner with the Educational Foundation Trust, in cooperation with PBS, presents the Ennes Workshop.

### SBE Booth Hours

- **Sunday, April 15**: 8 a.m.-5 p.m.
- **Monday, April 16**: 9 a.m.-6 p.m.
- **Tuesday, April 17**: 9 a.m.-6 p.m.
- **Wednesday, April 18**: 9 a.m.-6 p.m.
- **Thursday, April 19**: 9 a.m.-2 p.m.

### SBE Booth Location

LVCC South Hall Lobby Booth 29 near the entrance to the second floor exhibit hall. See the SBE web site, www.sbe.org for a floor plan indicating the booth location.

### SBE 2012 NAB Show Booth Hours

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Society offers online RF safety training

Safety concerns and contractor requirements make radio frequency safety training an important requirement for broadcast engineers, contractors, and employees. The Society of Broadcast Engineers continues its commitment to offer safety training with the SBE RF Safety Course by Richard Strickland and Richard Sands of RF Safety Solutions.

The three-hour course takes place Wednesday, May 24 from 2:30-5:45 p.m. ET. The cost is $79 for members of the SBE and $125 for non-members. For more information and to register, visit the SBE website at www.sbe.org.

Computer networking webinar prepares examinees for CBNT

Engineers preparing for the SBE Certified Broadcast Networking Technologist exam are encouraged to take the “Computer Networking webinar” to prepare examinees for the CBNT certification exam. The webinar is Wednesday, May 24 from 2:30-5:45 p.m. ET.

The webinar covers a broad array of topics to assist the broadcast engineer who is planning their career path into the realm of broadcast networking. The webinar will cover such topics as IP address, subnetting, subnet masks, broadcast, default gateways, default gateways, network addressing, and whois. Networking, in addition to computer networking, is a major component of the CBNT exam.

With the advent of FCC-permitted AM class CQ, Class B and Class CQQ transmitters, A percentage of the broadcast engineer’s time is spent on receiver tuning, adjusting and proofing them using the old Class B and Class CQ measurements. This webinar will provide a detailed overview of the tuning process, including a percentage breakdown of the society’s expenditures.

Another essential tool is the RF spectrum analyzer. With the advent of the FCC-permitted AM class CQ, Class B and Class CQQ transmitters, A percentage of the broadcast engineer’s time is spent on receiver tuning, adjusting and proofing them using the old Class B and Class CQ measurements. This webinar will provide a detailed overview of the tuning process, including a percentage breakdown of the society’s expenditures.

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For more information about the webinar or to register, visit the SBE website at www.sbe.org.

Webinars by SBE presents ‘AM Directional Antenna Modeling’

With the advent of FCC-permitted AM class CQ, Class B and Class CQQ transmitters, A percentage of the broadcast engineer’s time is spent on receiver tuning, adjusting and proofing them using the old Class B and Class CQ measurements. This webinar will provide a detailed overview of the tuning process, including a percentage breakdown of the society’s expenditures.

Engineering Extension Service, the University of Texas Continuing Education Program in the College of Engineering, offers full-service direction for Distance Learning Research at Texas A&M in addition to his professional duties.

Pecena is the assistant director of educational services in the Office of Information Technology at Texas A&M University. He serves as the director of engineering of TTVN. The Enterprise Videoconference and Data Network serving the Texas A&M University system and public broadcast stations KAMU-TV and KAMU-AM in College Station, Texas. He is responsible for leading technology implementation within the broadcast facilities and over 150 data and video sites throughout the Texas A&M University system.

When and where appears in The Signal.

Pecena’s from page 3

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When and where appears in The Signal.

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Answer to quiz question on page 2

The answer to “what is your favorite type of wood?” is oak. Oak is a common type of wood used in woodworking, particularly for making furniture, cabinets, and flooring. It is known for its durability and beauty.
**BOARD from page 3**

representative of an SBE Sustaining Member. All candidates must be in good standing, hold a current engineering-level SBE certification and must maintain the certification through all terms of office.

Members of the board are expected to attend two in-person meetings each year; in the spring during the SAB Show in Las Vegas and in the fall, during the SBE National Meeting. Board members may be appointed by the president to chair or serve on a national committee.

Officers are also expected to attend two in-person meetings of the executive committee in January and June. Additional meetings held via conference call for the board and executive committee may be scheduled at a later date.

Members interested in running should contact one of the following members of the nominations committee by phone or email:

- Raymond Benedict, CPRE, nominations committee chair, Columbia, Md., rbenedict@cbs.com or (202) 457-4518
- Ted Hand, CPRE, 8-VSB, AMD, DBR, Charleston, N.C., ted.hand@cox.com, (704) 353-4752
- Gary Liebich, CPRE, 8-VSB, AMD, DBB, Powell, Ohio, gary.liebich@nautil.com, (704) 917-5609.

The committee’s slate is submitted to the national office on April 30. Eligible members, not on the nominations committee’s slate, may be added to the ballot if nominated by ten or more voting members.

Members will access ballots via email and vote online in the summer of 2012. Ballots are mailed only to members who have opted out of online voting. All ballots, whether cast electronically or by mail, must be received at the national office by 4:30 p.m., ET, August 28.

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**April 12, 2012**

**MARK YOUR CALENDAR**

**CERTIFICATION EXAM DATES** - Application Deadline

- **May 10 from 2-5 p.m. EDT** members $49; non-members $69
- **May 24 from 2:30-5:45 p.m. EDT** members $79; non-members $99

- **ENNES WORKSHOP**
  - El Paso, Texas May 18 - hosted by Chapter 38
  - Cleveland, Ohio June 13 - hosted by Chapter 70

- **MEMBERSHIP DRIVE**
  - Deadline to recruit new members and be entered into the prize drawing May 31

- **SBE NATIONAL AWARDS**
  - Nomination deadline June 15

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**ENNES EDUCATIONAL FOUNDATION TRUST**

The trust offers scholarship and educational programming that benefits broadcast engineering and the broadcast engineer. Submits deductible donations, payable to the Ennes Educational Foundation Trust, to the Society of Broadcast Engineers, 9020 W. Meridian St., Suite 190, Indianapolis, IN 46260.

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**WEBINARS BY SBE**

- **“TV White Space Devices & Wireless Microphones”**
  - May 2 from 2-3 p.m. EDT members $59, non-members $99
- **“AM Directional Antenna Modeling”**
  - May 10 from 2-5 p.m. EDT members $59, non-members $99
- **“SBE RF Safety Course”**
  - May 24 from 2:30-5:45 p.m. EDT members $59, non-members $112.50
- **“IP/P-6 for Broadcasters”**
  - May 30 from 11:30 a.m. to 1 p.m. EDT members $49, non-members $69

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**SBE Chapter 68**

**Chapter 48 offers fellowship, education, diversity**

SBE Chapter 48 members have a long collective history of volunteer service to the society and the local broadcasting community. The chapter continues to provide unparalleled camaraderie to a vast area of broadcast engineers in Colorado, due to the presence of society frontliners and alliance with the local SMPTE chapter.

Early members worked closely with Jefferson County, Colo., home to the majority of the Denver area’s TV and FM transmitters, to create a master telecommunications plan and master antenna mountain. Several early members were instrumental in the creation of the earliest frequency coordination databases, a tradition that continues today thanks to the efforts of the chapter’s community. July picnic which takes place every June and serves as a coordination tool, who coordinates work tirelessly during NFL seasons and major events including the 2008 Democratic National Convention.

The chapter continues to grow and once again on the SBE National Board of Directors including Bill Harris, Paul Montoya and Fred Baumgartner. Baumgartner remains active with the Ennes Trust and was named the SBE Educator of the Year in 2008-09. Chapter member Gary Alexander, was named the SBE Educator of the Year in 2008.

In 1999, SBE 48 and the Rocky Mountain Section of the Society of Motion Pictures and Television Engineers (SMPTE) pooled their resources to become a leading provider of information and fellowship among broadcast engineers in the Denver metro area. While both organizations continue to retain their chapters with their respective national organizations, the two groups collaborate to host meetings, seminars, and events and jointly produce a single monthly newsletter. Board members from both groups work together to steer the organization as a whole and maintain a joint website, www.smpte-sbe48.org.

Like many other chapters, the Denver chapter's founding members were primarily radio engineers who gathered at a local club to informally discuss frequency coordination and collaboration between the organizations has allowed the chapter to grow into a diverse group of engineers from various disciplines including traditional television and radio broadcast, cable, satellite, and new media disciplines. The diversity of the chapter’s membership allows us to attract a wide array of seminar presenters and a diverse range of support from local and national corporate sponsors. With the help of these sponsors, the chapter recently began an initiative to increase SBE certification and started to reimburse testing fees to its members who successfully pass SBE certification exams. The chapter typically presents eight to 10 informational programs annually. Recent meeting topics included using IP Networks for HD Video Transport, The Impact of IP6 on Broadcasters, C4M Act Solutions, and a presentation on the development of Longmont’s new corporate campus.

Chapter 48 also maintains a local alliance with the local SMPTE chapter. In 2009, the collaboration between the organizations has resulted in a joint website, www.smpte-sbe48.org.

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**Moseley Digital STLs AM/FM/TV**

**Rick Singer, chief engineer, US Department of Office of Broadcast Services in Washington, D.C. Society member since 1996.**

**Getting Started:**

I joined adult movie makers club in Union, NJ, when I was 15. I left that repertoire. I don’t mean that I don’t distribute films that worked for my first mentors and were blue-collar workers that collected movie making equipment. Several let me use the gear to make 8mm and 16mm films and introduced me to repairing the electronics associated with double system audio recording and synchronization. After graduating NYU film school in 1978, I drove out to Hollywood and lived out of a van until I got a job transferring 1/4” audio to 35mm and 16mm mag film. I then took a job as a courier for the largest movie Hollywood production house, which gave me the opportunity to explore the back lots of Universal, Warner, MGM, and Fox. Then I worked and film labs confirming negatives to work prints, doing optical color correction and running an optical printer.

I went to Cal State LA for electrical engineering while working nights during the early 80s and made the transition into television engineering full time. When I moved to D.C. at the end of ’83, I was fortunate to find opportunities in the new linear post house. I owe a lot to what I learned from my colleagues in the engineering department at WTG-9. After that, I worked with the certification program, which helps by credentialing of prospective hires for theoretical and practical knowledge, while not discriminating against those who are autodidactic. In health care, curriculum leading to an MD degree is designed to provide a medical education that prepares graduates for residency training, which prepares them for continuous, continuous, continuous, continuous. Same thing applies for academic engineering. You’re training to be continuously self-trained.

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**CHAPTER SPOTLIGHT**

by Tony Roccanova, SBE Chapter 48 chairman

**APRIL 2012**

**THE signal**