



The Society of Broadcast Engineers

Fox Valley Wisconsin SBE Chapter 80
PO Box 1519
Appleton, WI 54912-1519

August 2011

Chairman's Corner

Welcome to our eNewsletter!

Our next meeting of Chapter 80 will be on Tuesday, August 16th, 2011 at noon at the Out O' Town Club in Kaukauna. The August program, at the Out-O-Town Club, will be a trip to the past centered around a DVD showing the history of an old GE facility near Syracuse called Electronics Park. It was a large manufacturing site where GE made a lot of consumer electronics, FM transmitters and some other types of equipment between the 40s and the 80s. It is an interesting 35 minute video. Gary Mach also volunteered to bring some equipment catalogs from those same times to help spur memories. All you guys who enjoy hearing about the history of broadcast electronics will enjoy this meeting. Anyone else who has old mementos is welcome to bring them as well.

Our July meeting of Chapter 80 was our annual Site Picnic, which was held on July 19, 2011 at the new (under construction) WGBW Transmitter Plant.

A special thanks to Mark Heller for scouting a cooler location nearby his TX site and supplying a lot of the food, Steve Brown for hauling chairs and soda to and from the picnic site, Glenn Guy for being willing to take the hot job grilling on an already hot day and Gary Mach for his help with organizing the event and supplying the Nesco.

The Newsletter will also be posted on our website <http://www.sbe80.org> , and archive copies, as well as other Chapter 80 and SBE information are available as well.

Upcoming events:

Tuesday, September 20, 2011 – SBE Chapter 80 – TBA

Tuesday, October 11 thru Thursday, October 13, 2011 – SBE/WBA Broadcasters Clinic, Madison Marriot West Middleton, Wi. Details and registration: www.wi-broadcasters.org Early Bird Registration by August 26, 2011.

Tuesday, November 15, 2011 – SBE Chapter 80 – TBA

Tuesday, December 20, 2011 – SBE Chapter 80 Holiday party

I look forward to seeing you on Tuesday, August 16, 2011 at our Chapter 80 meeting at the Out O' Town Club in Kaukauna.

Regards,
Timothy J Laes

Still need to renew your SBE membership? Renew now using our easy [automated SBE renewal system](#).



Mark Bartolotta
Regional Sales Manager

Heartland Video Systems, Inc.
1311 Pilgrim Road
Plymouth, WI 53073
Tel: (800) 332-7088
(920) 893-4204
Cell: (920) 912-1054
Fax: (920) 893-3106
EMAIL: mbart@hvs-inc.com
www.hvs-inc.com

Broadcast & Professional Solutions
CONVERSION • ROUTING • DISTRIBUTION • TRANSMISSION



Clearly The Best.

Jim Lienau
Vice President of Corporate
Technical Services
Cell: 920-617-7101
Fax: 920-617-7329
Pager: 920-613-0151

450 Security Blvd.
P.O. Box 19079
Green Bay, WI 54307-9079
Web: www.cellcom.com
E-mail: jim.lienau@cellcom.com

LeDuc Properties LLC
American Communications Co

(Jack) Jon Anthony LeDuc
Chairman-CEO

133 North Superior Street
DePere, WI 54115 USA

920.632.4364
Cell: 217.7598

Skyking_Concorde@hotmail.com



SBE Site Picnic 2011. Photos: John Pfankuch, Dave Driessen



Rick Thompson
Central Regional Manager

1770 Birchwood Avenue
Des Plaines, IL 60018-3006
Office: 847-795-9555 ext.21
Mobile: 847-942-7990
Fax: 847-795-8770
E-mail: rick_thompson@gepco.com
www.gepco.com



EVANS ENGINEERING SOLUTIONS

216 Green Bay Rd., Suite 105
Thiensville, WI 53092-1625
www.evansengsolutions.com

PROBLEM SOLVING BEYOND EXPECTATIONS

Ben Evans, P.E.
President
Ph. (262) 518-0002 • Cell (414) 530-8234
Email: ben@evansengsolutions.com

RENEWABLE ENERGY • WIRELESS COMMUNICATIONS • BROADCAST



Russ Prieve
Erection Manager/
Project Manager
Mobile: (608) 575-2888

PCS
Cellular
Erection
Two Way
Microwave

Antenna & Tower Service Since 1968



4587 Hwy. TT
Sun Prairie, Wisconsin 5359
www.wave-com.com

Phone 608-837-9050
Fax 608-825-9050

1150
WHBY
105.7
WAPL
95.9
WKSZ
94.7
WZOR
1570
WSCO
104.3
WCHK



**Woodward
Communications, Inc.**
BROADCAST DIVISION

*A Dynamic, Employee Owned Media Company
Good People - Real Solutions - Shared Results*

GREG BELL
VP Broadcast / General Manager
Direct 920-831-5655
Mobile 920-570-2162

P.O. Box 1519 • Appleton, WI 54912-1519
Fax 920-739-0494 • gbell@wcinet.com

Joseph P. Kaufenberg
Account Manager
Broadcast & Production Systems Division




Sony Electronics Inc.
1422 138th Lane NW
Andover, Minnesota 55304
Telephone (763) 755-2501
Fax (763) 755-2495
Cellular (612) 237-3368
E-mail: joe.kaufenberg@am.sony.com



**ST. PAUL
TOWER**
Dedicated To Excellence

Tony Primavera
Office: 920.617.7100
Fax: 920.617.7021
1046 Gray Ct.
Green Bay, WI 54303

www.stpaultower.com





CHAPTER 80 ELECTED AND APPOINTED OFFICERS 2010-2011

Chairman	Tim Laes	WGEE WIXX WNCY WROE	920-435-3771	tlaes@new.rr.com
Vice Chairman	Steve Konopka	WPNE TV/FM	920-336-3541	skonopka@ecb.org
Treasurer	Steve Brown	WHBY WAPL WKSZ WZOR	920-733-6639	sbrown@wcinet.com
Secretary	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu
Program Chairman	John Pfankuch	Heartland Video Systems	920-893-0204	jpgankuch@hvs-inc.com
Program Chairman	Bill Hubbard	UW Green Bay	920-465-2510	hubbardw@uwgb.edu
Membership Chairman	Al Kilgore	WRVM	920-842-2839	akilgore@wrvm.org
Sustaining Memberships	Greg Tadyshak	WBAY-TV	920-438-3258	gtadyshak@wbay.com
Frequency Coord. < 1 GHz	Tim Laes	WGEE WIXX WNCY WROE	920-435-3771	tlaes@new.rr.com
Frequency Coord. > 1 GHz	Joe Kamenick	KAMENITECH, LLC	715-359-7088	jckamenick@peoplepc.com
Newsletter Editor	Bill Tessman	Heartland Video Systems	920-893-4204	btessman@hvs-inc.com
Newsletter Editor	Dave Driessen	WGBA WACY	920-494-2626	ddriessen@nbc26.com
Certification Chairman	Jim Sams	UWGB	920-465-2572	samsj@uwgb.edu
Chapter 80 Webmaster	Jim Jensen	Retired	920-850-2633	jim@bjensen.net
EAS Coordinator	Steve Konopka	WPNE TV/FM	920-336-3541	skonopka@ecb.org
Past Chairman	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu
Board of Dirs/SBE Liaison	Keith Kintner	UWO	920-424-7357	kintner@uwosh.edu

Networking Technology for the Broadcast Engineer - The Next level: Routing and Switching The SBE will continue its live webinar series on August 18 from 2 to 3:30 p.m. EDT when it presents Networking Technology for the Broadcast Engineer - The Next Level: Routing and Switching. This webinar will build upon the Webinars by SBE Networking for the Broadcast Engineer, parts 1 and 2 by focusing upon IP Routing and Switching. The focus will incorporate an intensive and detailed explanation of routing and switching protocols with emphasis on applications in an IP-based broadcast technical plant to include implementation specific topics.

The objective of this webinar is to provide the broadcast engineer with a better understanding of IP routing and switching so that the technology may be implemented within his or her own network. Design examples will utilize typical industry network equipment with configuration implementation details. Detailed configuration and implementation notes will be provided for each design example.

The outline of the webinar includes the following topics:

- Why Route - Why Switch?
- Overview of Routing Protocols
- Detailed Overview of Interior Gateway Protocols
- Which Routing Do I Use?
- Routing Configuration Design Example
- Overview of Switching Protocols
- VLAN Implementation Design Example
- Switching Security Concerns and Capability
- Switching Configuration Design Example
- Integrating Routing and Switching
- Layer 3 Switching.

The SBE Chapter 80 Newsletter is published monthly. Members are welcome to contribute articles or ideas. Please have your submissions in by the 4th of the month to Dave Driessen or Bill Tessman



It is suggested that those taking this webinar have working knowledge of IP networking, IP addressing, and IP protocol fundamentals.

About the Instructor

Wayne M. Pecena, CPBE, 8-VSB, AMD, DRB, CBNT is the assistant director of educational broadcast services in the Office of Information Technology at Texas A&M University. In this position, he serves as the director of engineering of TTVN.

Completion of this webinar from Webinars by SBE will qualify the participant for one credit, identified under Category I of the Recertification Schedule for SBE Certifications. The cost is \$59 for SBE members and \$79 for non-members. Register Now on the SBE website. (sbe.org)

Panasonic
ideas for life

Panasonic Broadcast & Television Systems Company
Unit of Panasonic Corporation of North America

3910 Orleans Lane North
Plymouth, MN 55441
Tel: 763.545.0157
Fax: 763.542.6011
Johnsons@us.panasonic.com

Steve Johnson
District Sales Manager

1150
WHBY
105.7
WAPL
95.9
WKSZ
94.7
WZOR
1570
WSCO
104.3
WCHK

STEVE BROWN, CPBE, CBNT
Director of Broadcast Engineering
Direct 920-831-5659
W9APL Amateur Call Sign

Woodward
Communications, Inc.
BROADCAST DIVISION

A Dynamic, Employee Owned Media Company
Good People - Real Solutions - Shared Results
P.O. Box 1519 • Appleton, WI 54912-1519
Fax 920-739-0494 • sbrown@wcinet.com

Media & Information Technologies

ROSCOR

Jim Pianowski
Sales Representative

ROSCOR CORPORATION
1061 Feehanville Drive
Mount Prospect, IL 60056
1-847-299-8080 x1343
1-800-843-3679
fax: 1-847-299-4206
jpianowski@roscor.com
www.roscor.com

ISO 9001:2000 CERTIFIED

SBE Names Grossniklaus Engineer of the Year, Lampen Educator of the Year



Steve Lampen

Recipients of the 2011 SBE National Awards were recently announced by the society. The winner of the SBE Broadcast Engineer of the Year Award for 2011 is Al Grossniklaus, P.E., CBNT. Grossniklaus is director of engineering for WTHR-TV in Indianapolis, Ind. He is responsible for the overall technical performance, operations, engineering maintenance, information systems and services and physical plant of WTHR and associated stations. Earlier this summer, WTHR was recognized with the 2011 Edward R. Murrow Award for Overall Excellence, presented by the Radio and Television Digital News Association.

Grossniklaus is recognized for making significant contributions to the field of broadcast engineering through his work at WTHR and for furthering the goals and objectives of the SBE.

The 2011 SBE Educator of the Year is Steve Lampen, CBRE. Lampen travels extensively each year on behalf of his employer, Belden, Inc. While representing the Belden line, Steve is known as one of the most interesting and effective speakers in the business, utilizing his

knowledge and humor in visits to SBE chapters, presentations at Ennes Workshops and other meetings of broadcast engineers.

Grossniklaus and Lampen, as well as a number of other individuals and SBE chapters, will be recognized on September 28 in Columbus, Ohio during the SBE National Meeting. The event is being held in conjunction with the Ohio Broadcast Engineering Conference, sponsored by the Ohio Association of Broadcasters.

More information and a complete list of SBE award winners are available at the SBE website. (sbe.org)

SBE 2011 EXAM DATES LOCATION APPLICATION DEADLINE

August 5-15, 2011	local chapters
June 3, 2011	
November 4-14, 2011	local chapters
September 16, 2011	

If you have any questions, please contact the Certification Director, Megan Clappe or our Chapter 80 certification chairman Jim Sams Help your professional society "Raise the Bar" by recruiting a new member

Broadcasters petition FCC to extend EAS deadline. “The nearly unanimous view of those parties who commented on the Commission’s current September 30 CAP-compliance deadline is that the deadline should be further extended because the FCC still has not decided whether it will conduct separate equipment conformance testing, and the Third Further Notice may lead to Part 11 rule changes that could alter the obligations of EAS Participants regarding the purchase, installation and operation of equipment.”

[Comments on 04-296](http://www.fcc.gov/rulemaking/04-296/comments) and <http://www.fcc.gov/rulemaking/04-296/comments>

Submit Your Votes for National Officers and Directors

Ballots for the annual election of members to serve on the SBE national Board of Directors were mailed on July 25 to all voting members. To be included in the count, completed ballots must be received at the SBE National Office by August 25. That night, ballots will be counted and winners determined. The Board consists of 17 members, including four officers, 12 directors and the immediate past president. All four officer positions and six director seats are up for election each year. A complete list of candidates with photographs is available on the SBE website.



The official ballot was sent via USPS First Class mail to all voting members of the SBE. That includes Regular, Senior and Fellow members and the voting member representative of each of the SBE Sustaining

Member companies. If you do not receive a ballot by August 6, please contact Hannah Trowbridge at the national office at (317) 846-9000 or at htrowbridge@sbe.org.

FOR PRESIDENT



Ralph Hogan, CPBE, DRB, CBNT
Director of Engineering
KJZZ/KBAQ/SunSounds of Arizona
Tempe, Ariz.

GOALS: The Society should continue to maximize its efforts to provide educational opportunities and materials to our members. It is vitally important for us to provide the ability for our members to enhance and upgrade their skills. Expand our members benefit by increasing online opportunities for members to obtain education and training. The continued growth in the reach and influence of the SBE. It is crucial to stay the course with activities that benefit the membership, including training, certification, filings with the FCC and frequency coordination.

POSITION: The SBE must keep exploring new ways to improve the lifelong education and information services offerings for our members. Develop additional training and services opportunities for members to advance their careers through professional growth and development. This may be through increased participation at national/regional workshops, NAB broadcast engineering conferences, technical/management seminars, enhanced online services, and expansion of the bookstore with the SBE e-publications. We have made progress in the last year with the SBE On-Line University and will keep on adding new and relevant courses for members. The Society should continually update career resources for our membership and work hard to attract new engineers to broadcast engineering. We need to encourage those in allied fields to become Society members and take advantage of their knowledge to instruct in those areas as technology continues to advance.

WHO AM I? Associate General Manager, Engineering and Technology: MCTV/KJZZ/KBAQ Sun Sounds of Arizona 2008 to present; Assistant General Manager-Engineering Services for Northwest Public Radio and Television and Academic Media Services 1998-2008; Director of Engineering and Operations - Boise State Radio Network 1990-1998; Chief Engineer - KSLU, Hammond, LA 1985-1990; Vice President Engineering - Pan American Films and Video, New Orleans, LA 1983-1985; Senior Member of SBE with continuous membership since 1990; certified as Certified Professional Broadcast Engineer, Certified Broadcast Networking Technologist and Certified Digital Radio Broadcast Specialist; FCC General Radiotelephone Operators License with Radar Endorsement; B.S. degree in Engineering Science from Louisiana State University in New

Orleans.

Currently in second term as the SBE Vice President; two terms on the SBE Executive Committee as the Society Treasurer (2007-2008); two terms on the SBE Executive Committee as Society Secretary (2003-2005); two terms on the SBE National Board of Directors (1997-2001); Member of the SBE National Certification Committee since 1996; three terms Chapter Chair of the SBE Chapter 115; four terms Chapter Chair of the SBE Clearwater Chapter 117; two terms Certification Chair of the SBE Chapter 115; and State of Idaho SECC EAS Chair 1995-2006.

Senior Member, Institute of Electrical and Electronic Engineers (IEEE) 40+ years; IEEE Consumer Electronics Society; IEEE Communications Society, IEEE Broadcast Technology Society AdCom Education and Membership Chair 2007 to present; IEEE Phoenix Section Secretary 2010; IEEE Phoenix Section Treasurer 2009; IEEE Palouse Section Chair 2007; Member-At-Large representative to the Public Broadcasting Service (PBS) Enterprise Technical Advisory Committee 2002-2008; Association of Public Radio Engineers (APRE) founding President 2006 to present; tenured Instructor Broadcast Technology Program, Boise State University 1990-1998; member Broadcast Education Association since 1995; member Washington State University Advisory Committee on Computing and Telecommunications (UACCT) Computer Network Security Committee 2000-2008; Emergency Response Planning for USCG 1997-2003; Alpha Epsilon Rho National Broadcasting Society 1989.



FOR VICE PRESIDENT

Joe Snelson, CPBE, 8-VSB
Vice President of Engineering
Meredith Corporation
Las Vegas, Nev.

GOALS: I will continue to support the education and certification programs the society has in place.

In our rapidly changing industry, these are crucial areas that we must continue to develop and enhance for our members. We offer some outstanding educational programs and I support the development of future programs. I feel privileged to have served for the last 10 years on the national certification committee and look forward to contributing to the further advancement of the certification program.

POSITION: The SBE is an organization that specializes in broadcast engineering matters. We

must continue to position ourselves as the broadcast engineering experts and provide input into other broadcast industry organizations and government agencies regarding regulatory and technological issues that affect the service we provide to the public. I was honored to represent our membership at the FCC Broadband Broadcaster meeting. I will strive to represent the society before the FCC and other industry related trade organizations as I have in the past. In my role of the frequency coordination chair, I recently joined the National Spectrum Management Association representing SBE and have been educating them on how we utilize the Broadcast Auxiliary Spectrum in the microwave bands.

WHO AM I? Actively involved in television broadcasting for over 41 years with duties ranging from maintenance engineer to director of engineering. Employed at Meredith Corporation for over 30 years and currently vice president of engineering for Meredith's 12 television stations. Represented the SBE at FCC's National Broadband Plan meeting for broadcasters and currently represents SBE at the National Spectrum Management Association and at the TVBD White Space Database Administrators Workshops.

Memberships and Activities: Senior member of the SBE since 1978; member of the SBE National Certification Committee; Chairman of the SBE National Frequency Coordination Committee; SBE Board of Directors 2009-2011; member of the MSTV Engineering Committee; member of the Society of Motion Picture & Television Engineers since 1972; serving on SMPTE committee 34cs for BXF (Broadcast Exchange Format).

Achievements and Awards: Graduate of Los Angeles City College with an Associate degree in Broadcast Technology; awarded Outstanding Broadcast Technician from LA City College; Lifetime General Class Radiotelephone Operator License; 2001 SBE Broadcast Engineer of the Year; Certified Professional Broadcast Engineer and 8-VSB Specialist from the SBE.



FOR TREASURER

Jerry Massey, CPBE, 8-VSB,
AMD, DRB, CBNT
Corporate Regional Engineer and DoE
Entercom Communications,
Greenville, S.C.

GOALS: It has been an honor to represent you on the SBE Board of Directors and as chairman of the SBE Finance Committee for the

past four years. In those four years, my number one goal has been to support the education and certification initiatives of the SBE. Educational opportunities for you, the member, have grown in the last four years and I will continue to support our ever expanding education programs. The SBE will also continue to expand and I will continue to support our certification programs that allow you, the member, to show your knowledge and capabilities to your management and your peers.

POSITION: The broadcast engineer continues to take on more responsibilities of the stations IT structure and with that evolution the SBE will continue to offer the education programs that will aid in that expanding responsibility. At the same time, there are many IT specialists who want to know more about traditional broadcast engineering and the SBE can provide the educational programs they need. Education and certification are the SBE tools that can be used in making the broadcast engineer of today.

WHO AM I? I am the Southeast Regional Engineer for Entercom Communications and also the Director of Engineering/MIS for Entercom Greenville, Greenville, S.C. I am also a senior member of the SBE and have served on the SBE Board of Directors for the past four years. I have also served as the chairman of the SBE Finance Committee during this time. I hold the certification of CPBE, AMD, DRB, 8-VSB and CBNT; serve as the present chairman of SBE Chapter 86, Greenville, Spartanburg, S.C., Asheville, N.C. and also serve as the accredited frequency coordinator for that region. I have been in broadcasting for the past 38 years and prior to that was a member of the United States Air Force, Strategic Air Command.



FOR SECRETARY

James Leifer, CPBE
Director of Engineering & IT
Clear Channel South Florida
Miami, Fla.

GOALS: I support the SBE University and the certification programs we have rolled out in

the last two years. I hope to work with others to grow this important education based part of our organization. I encourage new membership growth and continuing to incorporate Engineering and IT personnel relationships and how we can incorporate this into a new certification.

POSITION: Knowledge is power. If we continue to educate and inform our members on a daily, weekly, monthly basis, we will all be better

equipped to offer solutions to our ever changing work environment.

WHO AM I? I am a CPBE with 25 years of TV/Radio Engineering as well as 20 years of management experience. I am still in the trenches and like most of my peers, I still love what I do and I feel that I can offer a unique outlook to where we are and where we need to be as a profession. I am Chapter Chairman for Chapter 53 Miami and I am always working with others to help them to be the best they can be. I hold FCC General Radiotelephone and Amateur Radio licenses.



FOR BOARD OF DIRECTORS

Raymond Benedict, CPBE
CBS
Washington, D.C.

GOALS: The first goal for the Society in the coming years should be to enhance the Society's growing educational programming.

Educational programs like informational webinars and on-line courses are key benefits that the Society can provide for its members. These are challenging times we live in. The Society's educational program will help our members stay current in their profession and provides the tools necessary to improve their positions. A strong, effective education program for broadcast engineers will insure survival in this constantly changing industry.

POSITION: The SBE needs to position itself as the industry's technology leader and spokesperson. Since our industry is facing so many challenges in the near and not so near future, the SBE needs to become the organization that others both inside and outside the industry come to for information about technology issues. As we all know, the bad part about the Internet is the amount of incorrect information that is posted by misinformed individuals and organizations. The SBE needs to be known as the accurate source for broadcast technology information. That will make it possible for the Society to be a credible spokesperson for the broadcast engineer insuring that others understand the important role we engineers play in the industry.

WHO AM I? I am a Fellow of the Society and certified as a Certified Professional Broadcast Engineer. I have served the Society on the board of directors and as secretary, vice president and president. During my term as president, I established the education committee. I made the first steps towards creating a permanent education

staff position. I have been active in broadcasting for over 50 years, since I started in grade school doing a kids radio show on an AM station in Vermont. I also have an Amateur Extra Radio license.



FOR BOARD OF DIRECTORS

Paul J. Burnham, CPBE
Field Support Manager, Communications
e2v Inc.
Poughkeepsie, N.Y.

GOALS: Education continues to be one of the Society's strengths and to that point, I would like to see a mentoring program initiated where volunteer members would be connected to others looking for help, guidance and information. I would also work for the continuance of our efforts in raising the profile of our profession through our legislative initiatives.

POSITION: The Society is the heart and voice of our profession. Our members have the vast array of specialized knowledge, experience and dedication available no where else. Our place is rightfully being the source of information and recommendations on the technical issues affecting the broadcast industry.

WHO AM I? I'm a TV guy, the tube guy and an Extra Class Ham. I provide technical support on IOTs and Satcom uplink amplifiers. I've earned the CPBE and the FCC First Class (now General Class) license and I have a BS in physics. I'm an engineer and I love to inform students about the world of broadcast and computer science.



FOR BOARD OF DIRECTORS

John Demshock, CBT
Director of Engineering,
Orlando Television
Cox Media Group
Altamonte Springs, Fla.

GOALS:
- Continue to work for more engineering expertise available to

the FCC
- Heightened awareness at the state and local level of the public safety service free over-the-air broadcasting provides
- Recruitment of emerging technical professionals into the broadcasting industry

POSITION:
- Education provider:

- On-line certification possibilities; investigate using existing testing software
- Introduction of IT professionals into broadcasting; FCC and OSHA rules, real-time content flow, and news gathering techniques
- More involvement in community college programs
- Continued support for broadcast related small business, including contract engineers and expanding our visibility to small business content providers
- Investigate social media as a means to keep local/national membership in sync, and gain exposure to younger professionals

WHO AM I?

- Over 30 years experience in television broadcast engineering management at local and corporate levels
- Long time member of the SBE and SMPTE
- Well rounded exposure to studio transmission, IT, and operations workflows
- Active on several technology committees; active in ATSC
- Family-oriented service over the years on various church and scouting projects and committees
- Other interests include photography, videography, bicycling and music
- Primary operating system is OS-X



FOR BOARD OF DIRECTORS

Mark Heller, CPBE, CTO*

President, GM & Chief Engineer
WTRW Inc./WGBW Radio
Two Rivers, Wis.

GOALS: Continue to grow our membership. During my first term in office, we welcomed chapters in Magic Valley, Idaho and most recently the U.S. Virgin Islands. I'd personally like to see a chapter in the Dakotas, and hope for a chapter in every state. We should also continue to operate within our financial means, during continued tough economic times.

POSITION: We should focus on our core services, including education and certification. We also should concentrate on AM/FM/TV issues. AM radio has been forgotten by the SBE for many years. We have been sidetracked by secondary services and EAS/CAP issues. The recent frequency grab for the TV band should also be a big concern for us.

WHO AM I? I have been a Chief Engineer for 39 years. I've worked in Chicago, Southern California and Wisconsin. I've been a radio station owner for 28 years, and I am currently building a new facility, including a large power increase. I hold the SBE

certifications, CSRE and CTO. I'm also an Extra Class Amateur Radio operator and an ARRL Volunteer Examiner.



FOR BOARD OF DIRECTORS

Charles "Ched" Keiler, CPBE,
8VSB, CBNT

Director of Engineering
Reach Communications
Fort Lauderdale, Fla.

GOALS: I believe that it is important for the SBE to educate its members and the broadcast industry in general. In recent years, the SBE has taken a more aggressive role towards this end. I would continue to further these efforts and search out new strategies that would encourage and engage those in our industry; especially with particular interest directed towards younger engineers wishing to pursue a career in the broadcast industry. It is also important that the society serve its constituents; the broadcast engineers who form its membership. We need to support and assist our members with the upgrade of their skill sets so that they can better serve the broadcaster and the broadcast industry. We should continue to develop and improve local chapter support towards this goal. We need to assist chapters with quality educational speakers and programs. We must insure that the certification program is current and relevant to the broadcast engineer. We must encourage engineers to engage in the use of these tools to further themselves. If elected, I would work closely with the other board members and other organizations to further these goals and the goals of the society.

POSITION: We need to encourage others professionals in similar fields to become members of SBE. We need to encourage content developers and IT professionals to engage with us. We need to embrace new technologies. We need to continue to educate and inform the broadcasters and broadcast engineers. We need to continue to provide educational materials, frequency coordination, technical expertise and other services to the industry. We are the conduit for communication with our fellow engineers and we must maintain this conduit. We need to work with other professional organizations to improve the broadcast industry. It is important for SBE to continue and to expand these efforts in order to position the society for future growth of our membership.

WHO AM I? I have been an SBE member more than 10 years and involved in broadcasting for more than 35 years. I am a member of the SBE Chapter 53 in Miami, Florida and currently serve as

secretary and treasurer of Chapter 53. I was also previously associated with Chapter 88 in West Palm Beach, Florida. Nationally, I have served as a member of the EAS Committee for SBE. In 2007, I joined the National Translator Association where I am actively serving on the board of directors for that organization. I also serve on the Radio Board for NTA. The Radio Board is currently working on modifying Part 74 and other applicable parts of the FCC's Rules and Regulations that would benefit the radio translator industry along with the entire broadcast industry.

I am a broadcast engineer with a broad range of experience in all aspects of engineering, project and operations management. I am currently employed as director of engineering for Reach Communications. I have worked for Ion Media Networks and Paxson Communications. At Manhattan Transfer and Broadcast Video in Miami, I held the position of vice president of engineering. I have worked for other major network broadcast facilities as well as major post-production facilities throughout the U.S.



FOR BOARD OF DIRECTORS

David Priester, CPBE*

Director, Technical Operations
Ithaca College
Ithaca, N.Y.

GOALS: First, I believe that great strides are being made in the educational opportunities and materials being offered to our members, particularly in the broadcast IT field, and that should continue to be a high priority. Continued growth in our membership is important both to maintain the financial health of the society and to further extend the reach and influence of the SBE. Areas of employment beyond the traditional broadcast related fields from which we have drawn membership have been explored and this should continue generating new sources of active membership. We need to make the existence and benefits of membership in the SBE more broadly known in less traditional areas.

POSITION: I don't envision a large change in the SBE's focus or missions. We must remain a strong advocate for our members and our professions. This means continuing the effective advocacy in front of regulatory bodies. It also means providing additional educational and personal development opportunities to enable members to prepare to advocate for themselves and be more effective in carrying out their duties. The professions represented by the society will be enhanced in the

public view one member at a time acting professionally, with integrity and with increasing and notable skills.

WHO AM I? My career has been a little different than many broadcast engineers. My experiences have been largely in corporate television and following that my particular field of interest, system design and integration. I was involved in systems engineering for three Olympics as well as a number of other moderate to very large projects including Turner Network Operations. Finally, I have a call-letter station, WICB-FM, under my care and am a technical manager in higher education with a whole new set of issues and challenges. From this career path, I believe I have different perspectives to offer the society. A member of the SBE since 1973, I am a senior member certified at the CPBE level and have participated locally and nationally in certification efforts for years. The past two years, I have chaired the SBE Education Committee.



FOR BOARD OF DIRECTORS

Gary Stigall, CPBE

Chief Technology Officer
TV Magic
San Diego, Calif.

GOALS: Considering our own chapter, we consistently see our greatest meeting attendance when presentations educate members about some new technique or complex technology. Our conventional educational institutions are not dealing with these specialized topics, so it is especially appropriate for the society to do so. The SBE has recognized this need, and I will work to continue supporting education through webinars, workshops and publishing.

POSITION: Besides the already mentioned education mission, I like that the Society has developed the specialized certifications for technologies like 8-VSB, directional antennas, digital radio, and IP networking. These certifications help communicate competency from prospective employee to employer and give our members a sense of accomplishment and recognition. We should consider other competency certifications. With tightening job opportunities, we should emphasize the social networking value of membership as well, and offer our engineers opportunities to learn social, management and negotiating skills.

WHO AM I? I have 35 years of experience in radio and television broadcast engineering in Central Oregon and San Diego, California, as well as

broadcasting systems integration design and management. I currently serve as chief technology officer at systems integrator TV Magic. Over the past 14 years in Chapter 36, I have filled various offices, emphasizing continuing education for broadcast engineers and have twice been recognized as webmaster of the Best SBE Chapter Website. I have been a Certified Professional Broadcast Engineer (CPBE) since 2004.

Electronic Ballots Available Next Year for 2012 National Election

Electronic ballots and voting will make their debut in 2012. Voting members will have the convenience of reviewing candidate profiles and casting their votes online. Members will have the choice of opting out of the electronic ballot and receiving the ballot through the mail. Again, this begins in 2012 (sbe.org)

FCC TAKES STEPS TO IMPLEMENT THE LOCAL COMMUNITY RADIO ACT

The Federal Communications Commission took initial steps to implement the Local Community Radio Act to promote community radio through the licensing of low power FM (LPFM) and FM translator stations.

In its Third Further Notice of Proposed Rule Making, the Commission is seeking comment on a proposed processing policy for pending Auction No. 83 FM translator applications based on the spectrum available for LPFM in specific markets. This approach would permit the Commission to immediately lift the freeze on the processing of translator applications and resume the licensing of FM translator stations in most smaller markets and rural communities, while requiring the dismissal of pending translator applications in markets where little spectrum remains for new LPFM stations. The Commission also seeks comment on the goal of opening an LPFM window no later than summer 2012.

The *Third Further Notice* also asks whether the Commission should take additional steps to prevent trafficking in FM translator construction permits and whether to permit FM translator applications pending as of May 1, 2009, to rebroadcast AM stations in the same manner as FM translator stations authorized prior to that date. All other LCRA implementation issues will be considered in a subsequent Notice of Proposed Rule Making. (fcc.gov)

FCC to finalize Rules to Establish Rules for Digital Low Power Television, Television Translator, and Television Booster Stations and to Amend Rules for Digital Class A Television Stations Although Congress established a hard deadline of June 12, 2009 for full power stations to cease analog operations and begin operating only in digital, the statutory deadline did not apply to low power television stations.² Therefore, while all full power television stations have ceased over-the-air analog broadcasting, many low power television stations are continuing to transmit analog signals.³

2. To ensure a timely and successful completion to the low power television digital transition, we take the following steps:

- (1) adopt a hard deadline of **September 1, 2015** for the termination of all analog low power television facilities;
- (2) establish rules permitting those stations needing additional time to complete their digital transition to obtain a "last minute" extension;
- (3) require existing analog and digital low power television stations in the 700 MHz band (channels 52-69) to submit displacement applications by **September 1, 2011**, and to cease operations in the 700 MHz band by **December 31, 2011**;
- (4) increase the power limits for VHF low power television channels to 3 kilowatts (the current analog power limit);
- (5) delegate to the Media Bureau the authority to establish timeframes and procedures for stations that have not already converted to notify the Commission of their conversion plans;
- (6) widen the class of low power television broadcasters subject to the Commission's ancillary and supplementary fee rules;
- (7) modify the Commission's minor change rule so that it covers a proposed change in a low power television station's transmitter site of up to 30 miles (48 kilometers) from the reference coordinates of the station's transmitting antenna;
- (8) revise the vertical antenna patterns used in the prediction methodology for the low power television services; and
- (9) allow low power television stations to use the emission mask used by full power television stations.

(fcc.gov)

2011 Broadcasters Clinic &

Upper Midwest Regional Society of Broadcast Engineers Meeting October 11-13, 2011

Madison Marriott West Hotel, Middleton, WI

AGENDA

TUESDAY, OCTOBER 11

7:45 AM: Registration & Continental Breakfast
 9:00 AM: Content Delivery to All Consumer Devices, Jeff Littlejohn, Clear Channel Radio
 9:45 AM: A New Approach to Solid-State High-Power FM Amplifiers, Timothy Anderson, Harris Corporation
 10:30 AM: Break
 10:45 AM: FM Directional Antenna Systems; Making the Impossible Possible, Bob Surette, Shively Labs
 11:30 AM: Cooling Technologies for High Power FM Transmitters, Jeff Welton, Nautel
 12:15 PM: Lunch
 1:45 PM: Audio Processing That Sounds Correct All The Time! Cornelius Gould, Telos
 2:30 PM: Creative Use of FM Translators and Boosters, Doug Vernier, V-Soft Communications
 3:30 PM: Break
 3:45 PM: Remotes Are Changing John Bisset, Tieline
 4:30 PM: Exhibits Open/Reception
 7:30 PM: Nuts & Bolts

WEDNESDAY, OCTOBER 12

7:45 AM: Registration & Continental Breakfast
 8:30 AM: Using Tower Design Codes to Your Advantage, David Davies, Consolidated Engineering Incorporated
 9:15 AM: We're Still Out There, Jim Roop, The FCC Chicago Field Office (Invited)
 10:00 AM: Exclusive Exhibit Time
 11:00 AM: Lunch
 1:30 PM: RF Safety, Jeremy Ruck, D.L. Markley & Associates, Inc.
 2:15 PM: Case Histories in Lightning Protection and Grounding, David Brender, Copper Development Association Inc.
 3:00 PM: Break
 3:15 PM: Are Your Antennas Prepared for the Worst Rich Wood, Resonant Results
 4:00 PM: When a 2000 Foot Tower Collapses, What's Next, Ron Viste, WEAU-TV
 5:30 PM: Dinner
 7:00 PM: SBE All Chapter Meeting and Program (open to everyone)

THURSDAY, OCTOBER 13

7:45 AM: Registration & Continental Breakfast
 8:30 AM: BER Testing Circular Polarization for Mobile DTV, John Schadler, SPX
 9:15 AM: Taking Control of MPEG Transport Streams, David Wood, Ensemble Designs
 10:00 AM: Break
 10:15 AM: OLED What is it? Gary Mandle, Sony
 11:00 AM: The CALM Act, ITU-R BS.1770 Revisited, Thomas Lund, TC Electronics
 12:00 Noon: Lunch

1:15 PM: The One Man News Crew: Cellular Wireless for ENG Applications, Cahit Akin, Mushroom Networks, Inc.

2:00 PM: Time to Get Serious with Interactive TV, Stuart Lipoff, IP Action Partners Inc.

2:45 PM: Can Broadcasters Play a Role in Broadband Evolution, Greg Herman, SpectrumEvolution.org