

**January Meeting**  
**Tuesday, January 25<sup>th</sup> 2000**  
**12:00 Noon**  
**KWBT Channel 19,**  
**6910 East 14th Street,**  
**Tulsa**

**January 2000**

Welcome back to another Chapter 56 newsletter. I trust that everyone had a safe and happy holiday.

The OAB will be February 11-12 at the Westin Hotel, One North Broadway in Oklahoma City. The Engineering Conference will begin with registration at 8:30 AM on Friday, February 11 and conclude with an awards reception/dinner at 6:15PM on Saturday, February 12. Conference topics to be covered are:

- \* Living with Analog and Digital Transmission
- \* Staying On the Air: Disaster Preparedness
- \* Integration issues in a DTV World
- \* Working with 16:9 in a 4:3 World
- \* Digital TV Consumer Sets
- \* Digital TV and The NAB
- \* Digital STL

For hotel reservations call (800) 937-8461 and ask for the OAB group rate.

The NAB in Las Vegas, Nevada will be April 8-13. Pre-registration should be done by February 25 to save as much as \$200. Go to [www.inab.org/conventions](http://www.inab.org/conventions) or call 888-740-4622 to reserve your place.

NAB2000 offers you more than 150 forums to support and compliment every aspect of the technologies and applications found on the exhibit floor. In partnership with various industry organizations, the quality and variety of the NAB2000 education program gives you a unique opportunity to hear from the top minds in technology, management and policy-industry expertise you won't find anywhere else-including members of Congress and the FCC Commissioners.

A reminder to all SBE Chapter 56 members. **The January meeting will be at KWBT-19** I appreciate any articles that you would care to write for the newsletter. You can e-mail articles to me at [willilee@oru.edu](mailto:willilee@oru.edu) Or mail a disk to me at KWMJ, PO Box 3286 Tulsa, OK 74101-3286. If your local or national chapter dues are set to renew, please renew today.

**K**WBT Tour Set for First Program of the Millennium

**S**pecial Program to Showcase Serial Digital Technology

**T**his month's program will be a tour of new Warner Brothers Station, KWBT Channel 19 here in Tulsa. The tour is scheduled in place of the regular noon meeting on Tuesday, Jan 25th, at 12:00pm. KWBT is located at 6910 East 14th Street. It is one block east and one block north of the intersection of 15th and Sheridan. Currently, there are no signs on the building, but you can't miss the STL tower. Jim Hobbs, Director of Engineering at KWBT, will present the program.

**L**unch will be provided free before the tour begins. This is an exciting opportunity to view the technology behind their new facility that includes complete serial digital distribution, DVC-Pro Videotape, Seachange Spot insertion and Louth Automation.

#### **SBE's Short Circuits**

**December 1999 and January 2000**

**A Monthly Update from the Society of Broadcast Engineers**

**NEW SBE MEMBERSHIP DIRECTORY & BUYERS' GUIDE PUBLISHED**

The 1999-2000 edition of the SBE Membership Directory & Buyers' Guide has been mailed to all SBE members. The new directory includes listings of members alphabetically and by state. A special classified section (yellow pages) lists Sustaining Members by product or service. There is also a handy list up front of National Board and staff with a list of who to contact for over three dozen member services and programs. There are also separate listings of all Charter, Fellow and Life members, past award winners and past Presidents.

#### **2000 BRINGS NEW LEADER SKILLS SEMINARS**

After three years of sponsoring five-day Leader Skills seminars for broadcast engineers, the Society of Broadcast Engineers, in cooperation with instructor Richard Cupka, will modify the program for 2000.

*Continued on page 3*

[www.broadcast.net/~sbe56](http://www.broadcast.net/~sbe56)**Gerald Weaver Chairman**

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 FAX (918) 627-2328 7am-11pm

**Meeting Information**

Chapter meetings are held at 12:00noon on the fourth Tuesday of each month, except December, Fountains Restaurant, 6540 South Lewis Avenue, Tulsa, OK  
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**SBE Ch. 56 Meeting Minutes****November, 1999. The Fountains Restaurant Tulsa, OK**

Meeting was called to order by Chapter Chairman Gerald Weaver. Meeting minutes from the October meeting as published in the November newsletter were approved.

**Treasurers Report**

Ch. 56 Treasurer Larry Miller reported that a check for \$44.00 was written to the US Post Office for the annual rent on the SBE PO Box. No other checks had come in and the checking account balance on November 29, 1999 was \$2566.80.

**EAS Report**

Roger Herring reported that the schedule for 2000 EAS tests is nearly completed. The State EAS committee to look for another transmission path (possibly OETA) for LP1 and 2. The Amber Plan implementation is requiring a phone line to Clear Channel Communication for connection to the Department of Public Safety.

**Frequency Coordination**

There was no report for below 1 GHz as Richard Hardy was not present. Above 1 GHz, Larry Miller reported no activity. Richard Hardy reported activity by Airborne Express on VHF Frequency being examined. Coordination is being requested for Microwave links related to New Years Eve, this year.

**Newsletter**

Bill Lee reported no new developments with the Newsletter.

**Internet**

Ray Klotz was not present so no report was available.

**Old Business**

There was no old business.

**New Business**

There was no new business.

**Today's Program:**

John Flaa of The Tape Company held a drawing for door prizes and bought dinner for all who attended today's meeting, Many, Many thanks to John Flaa and the Tape Company.

The Special Evening Program was sponsored by Mike Mackin and Ikegami Electronics USA, Inc.. Dinner and a presentation on the Ikegami HDTV Camera model HDK-790 studio camera and several Hi Definition Monitor. Mark Wren and sales engineer for Ikegami gave presentation on High Definition Television trends through out the industry, and on the consumer front.

*Continued from page 1*

The program will essentially be split into two parts. Course I will be held over three days, June 7-9 in Indianapolis and will provide the essentials to understanding leadership styles of yourself and others. It will provide the technical individual the basics on how to manage other people successfully. Course II, to be held August 16-18, also in Indianapolis, will pick up where Course I left off, going into further depth and providing the participant with a solid foundation to manage others.

The cost for each course is \$425, which includes instruction, materials and refreshment breaks. Transportation, hotel and meals are additional. Those wishing to attend Course II must have attended either Course I or any of the SBE or NAB sponsored Leader Skills programs held since 1965. Registration Forms will be available in the March issue of the SBE SIGNAL, from the SBE National Office or through the SBE web site, [www.sbe.org](http://www.sbe.org), after January 15.

#### **SBE MEMBERS GET DISCOUNT ON NAB SPRING CONVENTION**

Once again, SBE members will be able to register for the NAB Spring Convention in Las Vegas at the NAB Member rate, a savings of \$330. NAB has begun sending registration materials for the April 2000 event. They also have on-line registration available at their web site: [www.nab.org](http://www.nab.org). If your station is not a member of NAB, be sure to take advantage of this great SBE member benefit. The savings are equal to SIX times the cost of ONE year of SBE membership!

#### **GAME DAY COORDINATORS WILL MEET APRIL 10**

A special meeting has been scheduled during the NAB Convention for those who participated in the 1999 NFL season Game Day Coordinator program. Also, those interested in participating in 2000 are asked to attend. The program is a cooperative effort between SBE and the NFL to improve event frequency coordination at all NFL games.

The purpose of the meeting is to review and critique the past season, discuss ways to improve the program and make plans for the 2000 season. Several representatives from the NFL will be present. The meeting will be held from 2:45 pm to 5:00 pm in Conference Rooms 13 & 14 of the Las Vegas Hilton Hotel. If you plan to attend, please RSVP to John Poray at the SBE National Office at [jporay@sbe.org](mailto:jporay@sbe.org) or (317) 253-1640.

#### **REGIONAL SBE CONVENTIONS COMING UP**

A number of SBE chapters offer opportunities to attend a regional SBE convention or conference near home. Most of these events are very inexpensive or free and take minimal time away from your work and free time. Coming up February 29 to March 1:

Great Lakes Broadcasting Expo  
Lansing Center, Lansing, Michigan *Continued on page 4*

## **Ham's Corner** **By Glenn Thomas** **Jan2000**

I came into some extra bucks a short time ago although it wasn't a large amount but it was enough to do some things I had been thinking about. The new ARRL handbook, antenna book and antenna compendium Volume 6. These books have a total of over 2000 pages. My thought it would be enough to keep me busy for the coming winter months.

The only problem is it doesn't seem like winter is ever going to come. The weather is just too nice to set in the house studying engineering books. I shouldn't complain as this nice weather should give me enough time to try a new 160 meter antenna. After spending some time with these new books I have a few comments about their contents. The handbook is a very large book about all facets of amateur radio and is really an outstanding example of the covering of amateur radio.

The only draw back I have found is in the examples of linear for the ham bands. The only ones there use expensive high power transmitting tubes with circuits that seem far too extensive for the average ham installation. Also expensive to boot. I know I am still in the past with a simple linear with a pair of 813 running a KW or a little more with tubes the most expensive I paid 8 dollars for. I admit I have not checked the tube prices lately.

The two antenna books are very interesting and I know I will use some of the ideas presented there. No they are not really new to me as I have handbooks dating back to 1938. I get the urge to change things every so often but antennas are about the only thing left to mess with. My exciter is a late model Japanese wonder and the antenna tuner is a 2kw Dentron leaving the linear for my pleasure. No not on your life it works great and will stay the same.

I do have several antennas I want to try and some changes I want to make in some of my antennas. I need a DX antenna for forty meters. At one time I had one a tower about 40 feet high vertical when the two meter antenna was included. It was a wonder as I worked Australia and New Zealand when ever I heard them. O well in the changing of antennas it was discarded and now I wish I had another. Who knows by spring maybe another one will appear in my back yard.

I have seen some comments to the effect that we are losing some hams. It seems like some of the people with the entry level licenses are not renewing the licenses when they expire. After all of these years of being a ham it is hard for me to understand why they would drop out of ham radio. I know there were times I was just too busy to spend much time with it but kept thinking in time it would change and you know it did. On the other hand if their interest was say 2 meters I have noted a drop off of activity on that band except early in the morning.

Although the over all activity seems to be down quite a bit. I doubt if my interest would of continued if it had been limited to 1 or 2 bands. Even in the days of

Continued from page 3

Contact: Michigan Assn. of Broadcasters

(517) 484-7444

Engineering sessions organized by Chapter 91, Lansing, MI

### AS 2000 BEGINS, MILLENNIUM PROJECT ENDS SUCCESSFULLY

Since early in 1999, SBE has been offering an opportunity to engineers with lapsed certifications to have those certifications restored without taking a test. The Millennium Project ended on December 31. During that time more than 60 people took advantage of the offer.

If you have questions about recertification, contact your local Certification Chairman, or Certification Director, Linda Godby-Emerick at the SBE National Office. You can also get information on recertification at the SBE web site, [www.sbe.org](http://www.sbe.org).

### SBE CERTIFICATION EXAM OPPORTUNITIES ANNOUNCED FOR 2000

The Certification Committee has released dates for Certification Exam opportunities in 2000. Four exam periods will be held in chapters along with an exam period during the NAB Convention, April 11 in Las Vegas. Check out the upcoming Certification exam dates below. One may be right for you. For more information about SBE Certification, see your Chapter Certification Chair or contact Linda Godby-Emerick, Certification Director at the SBE National Office at (317) 253-1640 or [lgodby@sbe.org](mailto:lgodby@sbe.org).

#### 2000 Exam Dates Location Application Deadline

February 11-21	Local Chapters	CLOSED
April 11	NAB Convention	March 5, 2000
June 9-19	Local Chapters	April 21, 2000
August 18-28	Local Chapters	July 7, 2000
Nov. 10-20	Local Chapters	Sept. 22, 2000

### MONTHLY HAMnet BRINGS SBE TO REMOTE AREAS

At 8:00 pm EST, 0000 GMT, on the second Sunday of each month, SBE Chapter 73 takes the air. Hal Hostetler, WA7BGX, of Tucson, Arizona, is the control station for the "meeting." Updates on SBE activities are given each month and participants can discuss technical issues and visit. HAMnet was originally begun to help serve members who lived too far to attend meetings of any regular chapter, but any amateur operator is welcome and encouraged to participate. Look for HAMnet on 14.205 mHz.

home brew we operated on several bands with both cw and phone. The information is the General and Advanced band hams are dropping out. I have a hard time understanding this although I realize many of the advance class licensee holders are probably older hams.

I have held a Class A which is now an advance class license since 1949. I keep telling myself I am going to get a extra class license and at one time I was receiving CW at 20 words a minute. My new FT1000MP does a beautiful job on CW and has a built in keyer. I guess in my old age I am just lazy. Recently I put up a 160 meter antenna but it just didn't work very well. Several years ago I had one up using some older wire that looked shabby so out of concern for the XYL I took it down and now while trying to replace it I have not got it working again yet. I will get it up yet this month.

This antenna has to be short and doubled back on the 75 meter part of the antenna due to space limitations. Although running my old Omme D bare foot I worked from south Texas to northern Michigan. I am pleased to hear that CQ is adding the VHF magazine to the regular CQ I am always interested in more reading material about any part of amateur radio.

I have been having my fingers crossed about the future of amateur radio. I hope the magazines will continue although I notice the contents of the magazines have changed but that can be expected as the face of amateur radio is changing. With all the wonderful weather we are having I promised my self I would finish the new antenna changes before Christmas. In fact I hope to have a few changes done yet today. I have been enjoying reading the new ARRL antenna book and putting the pc programming disk on my hard drive. I am sure I will try designs of antennas on the computer a nice enjoyable endeavor when it is cold out doors.

73'S  
W5INUP S

The FCC has come out with the new license proposals due to take effect April 15. Three license classes of Technician, General and extra Class. All current classes to be renewed but no new ones except the three classes as of April 15.



**73'S**

**W5INUP S**

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