



Meeting Notice

Annual Engineers BBQ luncheon New Studios of Entercom.

7000 Squibb Rd. Mission, KS 66202

The meeting is going to be on the first floor West side of the building and they will enter on the West side of the building.

Lunch begins promptly at 11:30. Meeting will follow.

For map please visit the web site at <http://www.broadcast.net/~sbe59/>

Certification Exam Dates

<i>Exam Date</i>	<i>Location</i>	<i>App. Deadline</i>
April 17, 2007	NAB - Las Vegas	Closed
June 1-11, 2007	Local Chapters	April 20, 2007
August 10-20, 2007	Local Chapters	June 8, 2007
November 9-19, 2007	Local Chapters	September 21, 2007

Last Month's Meeting

By Ben Weiss, CPBE

The **February** meeting of Chapter 59 of the **Society Of Broadcast Engineers** was held February 8, 2007 at Don Chilitos Restaurant, 7017 Johnson Drive, Mission, Kansas. There were 12 in attendance. Matt Kinnan, chapter chairman, called the business meeting to order at 12:32 PM.

Ben read the minutes of the January meeting. The motion to approve the minutes was by Mike Rogers and the second by Dave Buell, Passed.

Chapter program chairman, Mike Rogers, stated that the March meeting would be the annual RF Specialties appreciation barbeque lunch. The lunch will be held at the new Entercom broadcast center. The April meeting will be held at Don Chilitos and there will be no program because many of our members will be attending the NAB convention. Mike is working of several interesting programs for the coming months.

There were no EAS or certification reports.

Chris Castro, chapter frequency coordination chairman, stated that the FCC is investigating the reports of interference that several stations received during last summer's racing season. Hopefully, there will be no recurrence of interference this summer. Chris also remarked that he still wants to turn over the duties of editor of the monthly chapter news letter to someone that would volunteer for it. He needs to concentrate on the task of frequency coordination. Finally, Chris raised the possibility of making the e-mail version of the chapter newsletter the primary means of distribution. He questioned if the sponsors would care if the newsletter were e-mailed instead of hard copies mailed.

There was a discussion about STL and C band satellite interference. Dave Buell pointed out that several TV stations have been having a continued problem of some kind of interference to there C band down links. The source of the interference is a mystery. Ben stated that he had experienced interference to the KMXV STL but the problem had apparently been solved when he determined that the source of the interference was one of the Kansas City Police Department's communication channels.

The motion to adjourn was by Mike Rogers and the second by Chris Castro.

Chairman's Chat

Luncheon

By Matt Kinnan, CEV CBNT

The snow is starting to finally melt and the first signs of Spring are not far off. As warm weather approaches the annual Engineers BBQ luncheon nears. Now is a great time to get out from behind the equipment racks, grab a colleague and attend this year's feast. We are lucky to be able to have our meeting at the new studios of Entercom.

As always this is a fine event with plenty of BBQ and lively stories to go around. We will also be holding our yearly elections, so please consider a position in our chapter as we will have a few seats that need filling. I expect a full turn out from everyone who feels they are a part of our chapter. The chapter needs help to grow and stay strong. This can only be done when members pitch in and give back to us. We are heading into a new year with plenty of changes on the horizon, so please do not hesitate to attending. Your ideas, input and appetite are always welcome, as we celebrate another year of broadcast engineering. I hope to see you all there.

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EAS ENCODER UPDATE INFORMATION

**REGARDING CHANGE IN DAYLIGHT SAVINGS
 TIME START/END DATES**

WARNING: All manufacturers I was able to speak with advised me that users should NOT simply change the Time-of-Day readout on the front of their EAS unit on DST day. This will cause the internal UTC clock to be incorrect, causing you to possibly miss receiving alerts due to the UTC-based times sent in EAS Alerts. If your unit requires an upgrade (see info on your unit below), you are best advised to do nothing until a proper upgrade for your unit is received. The time readout on the front of the unit, as well as TV crawls, will show the incorrect time however. Most manufactures will be posting instructions on their website regarding changing the time manually if you choose to do that, but these procedures must be followed very precisely to avoid having an incorrectly set internal UTC clock.

[TFT](#)

The TFT EAS 911 unit does automatically adjust for Daylight Savings Time, so an upgrade will be needed. TFT is currently in beta testing on a new set of chips. The upgrade will be firmware Version V.87.0, which they expect to have available on March 1, 2007. The upgrade kit is a set of two EPROMs, which will cost \$130, plus S&H. There is a 10% discount for orders of 10 or more upgrade kits. This upgrade also includes other operation improvements. See document below for details. Order forms will be posted on their [Web site](#) when the upgrade kit is available. A procedure to change the time manually will be posted on their website, if you desire to go that route. Contact TFT at: 408-727-7272, or info@tftinc.com

[SAGE](#)

The Sage ENDEC unit does automatically adjust for Daylight Savings Time, so an upgrade will be needed. The firmware developer expects the upgrade to be available during the first week of March. The new firmware is Version 6.2. The cost to upgrade to this new version depends on your current firmware version. To find your current firmware version, reboot the Sage unit and the version number will print. To upgrade from Version 6.1, the cost is \$50 plus S&H. To upgrade from Versions 5.x, the cost is \$200 plus S&H. If you are running either Endec Pro or Endec DJ software, read the documents below before upgrading. The Harris documentation below states that in the new version you will be able to enter the DST start/end dates yourself, so this new chip will be good for any future changes as well. The documentation also gives instructions for properly resetting the time manually if you do not receive the upgraded chip by DST day. A document will also be placed on the [Harris Support page](#). Harris is accepting orders now, to be filled as the upgrade becomes available. Contact Harris at: 800-622-0022, or the Sage Help Line: 217-221-7560, or tsupport@harris.com

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GORMAN-REDLICH

The Gorman-Redlich EAS unit does automatically adjust for Daylight Savings Time, so an upgrade would be needed for the time to display correctly. However, Jim Gorman told me he is holding off on producing an upgrade chip until he is more certain that this DST date change is permanent. He notes that Congress only authorized the date change for 2007, 2008, and 2009. If the date change becomes permanent after that point, he will pursue offering an upgrade chip.

BURK

The Burk EAS unit does not automatically adjust for Daylight Savings Time, so no upgrade is needed. DST is adjusted manually by "setting a flag" in the menu, which Burk users should already be familiar with.

MTS

The MTS System 3000D EAS unit does automatically adjust for Daylight Savings Time, so an upgrade will be needed. MTS expects the upgrade to be available in the first week of March. Watch their [Web site](#), or call 919-553-2995, or email: skip@mts-comm.com

The other MTS product, the Encoder II computer software program, relies on the clock in the computer it resides on as the time reference.

HOLLYANNE CORPORATION

The Hollyanne Model HU-961 EAS unit appears to not automatically adjust for Daylight Savings Time, so no upgrade would then be needed. Per their [Web site](#), they no longer manufacture the HU-961 EAS unit. A phone call to their number, 308-428-4705, yields a recorded message stating they are no longer making the EAS unit. Current users are advised to contact the dealer where they purchased the unit. On the Hollyanne support site, a [document](#) showing how to set date and time makes no mention of DST. This is the basis of my presumption above that no upgrade is needed. Users of the unit will no doubt be aware of whether the unit does automatic DST updating or not.

Next EAS Required Monthly Test:

March 27

**1:45 to 2:00pm
KCSP-AM**

The RMT is sent on the last Tuesday of the month

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Job Opportunities

KCTV-5

Position: Director of Engineering

Job Description: This position is responsible for ensuring that all FCC rules and regulations are observed and that the station is in full technical compliance with them. Personnel under the direction of this position are involved in nearly all revenue producing business of the station and this position is responsible for ensuring that the loss of airtime within the technical departments control is minimized. Position is responsible for smooth, clean operation and maintenance of station technical facilities. Position prepares and administers engineering department capital and operating budgets. Position plans and oversees equipment acquisitions and installations as well as evaluates all plant upgrades to ensure a state-of-the-art and cost efficient operation. Broadcast station technical department supervisory experience and broad based operating and maintenance background. RF experience is preferred.

Deadline: January 20, 2007

Salary: Open

Send cover letter and resume to: Paula Ruiz KCTV-5
4500 Shawnee, Mission Parkway Fairway, KS 66205

Email: pruiz@kctv5.com

KSHB-TV

Position: Broadcast/IT Maintenance Engineer

Salary: Negotiable

Job Description: This list of duties is not exhaustive and duties may be added, deleted, or changed at any time, without notice.

Perform preventative maintenance and upgrades on Video Servers, News Room Computer Systems, Character Generators and Non-Linear editors. Have a working knowledge of broadcast cameras, switchers, routers and miscellaneous studio and broadcast equipment.

Install video, audio, RF, and computer equipment. Document and keep records of equipment repairs. Research part numbers and pricing.

Perform other duties as assigned by supervisor.

Requirements:

EDUCATION - 2 years of college or technical school majoring in an IT or electrical or related field is required. Four-year degree preferred.

EXPERIENCE - 3 years of broadcast TV maintenance preferred.

LICENSE - Valid Driver's License and proof of insurability.

SKILLS/ABILITIES - Flexible schedule required. Must comprehend schematics, mechanical drawings and technical manuals. Must be physically adept to lift and transport equipment up to 50 pounds. Ability to work and communicate with others is required.

Send Resume To: Jay Nix, Director of Engineering

KSHB-TV

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KKFI FM

Position: Basic Engineering Assistance

Job Description: 90.1 FM KKFI is looking for some basic engineering assistance proposals. We are specifically looking for someone to provide 10 to 20 hours per month - on a contract basis - for routine transmitter coverage and needed studio work.

Donna Ross, GM/ED, KKFI-FM

816-931-3122 or email donna.ross@kkfi.org.

Watching the clock

By Chriss Scherer, CPBE CBNT

The dates for the beginning and end of Daylight Saving Time change in 2007 so that the period begins earlier and ends later. DST



previously began on the first Sunday in April. It now begins on the second Sunday in March. DST ended on the last Sunday in October. It now ends the first Sunday in November. The change is observed in all provinces in Canada and all states in the U.S. except Arizona. Indiana will now observe DST. Mexico observes DST, but will not adopt the new schedule.

With so much broadcast equipment relying on internal clocks to function, many of these devices will need to be updated so the change to and from Daylight Saving Time take effect on the correct days.

With the assistance of Barry Thomas and Eric Schecter of the Lincoln Financial Group, we have compiled a list of equipment and the steps needed to implement the changes for equipment that uses a real-time clock.

So far, our investigation shows that all the automation system manufacturers rely on the PC clock or a time server to handle the DST change.

Don't forget to check some less obvious devices. Generators, sprinkler systems, security systems, HVAC and other devices may have internal clocks that need to be adjusted. In addition, there are some devices that may not be accessible to station personnel, such as peak-demand timers from electric service providers.

While the effective dates of DST have changed, it is only by a few weeks. In most cases, equipment will function normally except that a time stamp may be off by an hour. In the case of the EAS encoder/decoder, the operation of which is part of a station's operating log, its time is noted as UTC, DST or Standard Time. For the change to DST in March, the situation will correct itself in April. The law also states the schedule can revert to the old times if Congress so deems it.

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Chapter 59 list server: sbe-kc@yahoogleroups.com

Upcoming Meeting and Events

March 8

Studios of Entercom

Upcoming Meeting dates

Mark your calendar now

April 12

May 10

June 14

July 12

Do you have a suggestion for a program topic?
Please share it with Mike Rogers.

Wanted: Your News and Information

The SBE newsletter, *The Communicator*, is published every month as a service to the members, sponsors and guest of SBE Chapter 59. We are always looking for information on what is happening at stations and facilities around Kansas City. Have you hired someone new? Have you received a promotion? Have you installed some new equipment? Tell us about it and share it with your engineering colleagues. Send any of your stories or ideas to a chapter officer or e-mail them to sbe59@yahoo.com. Articles published in The Communicator will qualify for SBE recertification points.



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