

# February, March and April Meeting Announcement

## The Decibel Revisited

Mark Rogers - The Greenbusch Group

Monday, February 24, 7:30pm.

Opus 4 Studios, Bothell Washington

*The decibel revisited: A review and tutorial, for both beginners and those of us who think we understand.*

Do you really know what a dB is? When you try to look it up, do you just get more confused? Do you know how to properly apply it, and when to use 10 log versus 20 log? Do you know why? Do you know the difference between dB, dBm, dBV, dBu, dBFS, dBi, dB-SPL, dBW and dBcooper?

Come and learn what's correct, the part of the equation most books leave out, and why some references are just plain wrong. We will define the decibel and its variations, how to make calculations and measurements, and show practical applications. Bring your questions!

Join us for our February meeting when our very own Mark Rogers guides us towards a better understanding of this fundamental element of Audio Engineering.

[Directions](#) to Opus 4 studios.

## Surround Sound Seminar

Mike Sokol - Fits and Starts Productions

# Co-hosted by the PNW Section of the Audio Engineering Society

and

## Shoreline College

March 4, 2003, 7:30pm at Shoreline College,

Room 818 - Music Building

The Surround Sound Seminar visits our corner of paradise once again. Mike Sokol of Fits and Starts Productions, the country's leader in producing seminars and workshops for the recording and sound industry, will lead an engaging and interactive 3-hour program. Join us on Tuesday, March 4, 2003 at Shoreline College for what promises to be a most interesting evening.

[Directions](#) to Shoreline College

## SEMINAR OUTLINE:

- Speaker positioning in rooms using LASER alignment
- Time alignment of speakers using Spectrafoo to control multiple digital delays
- Bass Management, crossovers, frequencies and slopes
- Level Calibration using RTA's, SPL meters, and pink noise
- DTS, AC-3, and DVD-A encoding techniques
- 5.1 Mastering considerations - Hardware and software solutions
- CD-R and DVD-R burning techniques
- Techniques for Surround Playback from CD-R's, DVD's, Stereo Samplers, Powerpoint Presentations, and computer Hard Drives
- Live-sound 5.1 reinforcement techniques for techno-bands, theatre SFX, and corporate presentations
- Overpatching techniques to use analog 8-bus consoles for live 5.1 surround
- Quick methods to turn existing stereo libraries into 5.1 SFX
- Advanced Surround Microphone techniques

## Equipment Demonstrated

We are grateful to the following companies for providing equipment and sponsoring the Surround Sound Seminars road tour.

- Tannoy System 800 Speakers with SuperTweeters and PS-15B Subwoofers

- DTS encoding/decoding system - Software based encoders
- Steinberg Nuendo software and plug-ins
- Aphex 1788 mic preamp
- Shure KSM32 Microphones in custom surround tree
- M-Audio Sonica and peripheral interfaces
- Sony VAIO laptop computer

More info? [www.modernrecording.com](http://www.modernrecording.com) [www.apple.com/creative/musicaudio/surroundtour/](http://www.apple.com/creative/musicaudio/surroundtour/)

## **April 2, 2003, location TBD**

Mike Overlin, Yamaha Corporation, and John Strawn, S Systems, will discuss mLan / 1394, a method of distributing audio signals via IEEE 1394 Firewire.

Watch this space for further developments..p