



# AUDIO engineering society, Inc. Pacific Northwest Section

Mailing Address: 4522 Meridian Avenue North, #201 • Seattle WA 98103  
World Wide Web - <http://www.aes.org/sections/pnw/>



## April 1998 Meeting Notice and Announcements

### Chairman's Message

*David Scheirman*

For those of you who missed our 20th Anniversary Celebration Meeting, I wish this written notice could do justice to the feeling or comraderie that existed when a large number of audio students had the opportunity to mingle with many former Chairs and other Officers from the PNW

Section's past 20-year history. Our event turned out to be not only an interesting and fun-filled evening, but a noteworthy one as well, as the Art Institute of Seattle has officially moved to establish a new Student Section for the AES. For all who helped on this special meeting, our sincere thanks.

As we all move into a busy spring season, I'd like to remind you all once again of the value of a membership in the Audio Engineering Society. The Journal continues to feature leading-edge developments in concepts and trends that will affect all aspects of audio...broadcast, sound rein-

forcement, recording & storage media and more in the years to come. The 104th AES Convention is coming up in Amsterdam (May 16-19)...and the theme is "50 Years of Audio." Perhaps we'll see some of you there. Meanwhile, on a more local note, your PNW Section Committee continues to plan, develop and execute a broad selection of regional meetings with topics, we hope, of interest to all. Read on for details on April's meeting, focused on sound reinforcement.

### April Meeting

## Evolution of Modular Sound Reinforcement Systems for Touring Use

**Date: Monday, April 20, 1998**

**Time: 7:30 PM**

**Place: Moore Theatre, 1932 2nd Ave, Seattle**

If one had attended a concert or special event 25 years ago, unwieldy stacks of loosely-packaged components were the norm. During the past two decades, portable sound reinforcement systems have moved through a variety of experimental formats using 2-box and 3-box combinations for large system assembly, to today's modern, modular, purpose-built arrayable speaker enclosures. A series of 35mm color slides, spanning over two decades of touring sound history, will be shown.

This meeting presentation will examine the historical development of various proprietary, custom-built systems from major touring sound firms like Clair Bros., Showco and such. We'll also look at the

various types of systems offered from a wide variety of commercial manufacturers such as Apogee, Eastern Acoustic Works, EV, JBL Professional, Martin Audio, Meyer Sound Laboratories, Renkus-Heinz, and Turbosound, and others.

Practical considerations that affect portable sound system design and applications will be discussed, and a handout summarizing the above will be available for meeting attendees.

After reviewing historical developments and the evolution of today's modern, modular sound reinforcement systems for portable use such as the X-Array™ system from EVI Pro Audio (currently fielded by dB Sound, Inc. of Des Plaines, IL, and

touring with the Rolling Stones in stadiums around the world), we'll take a close look at this representative system.

Fred Brecht, EVI-Telex sales Engineer and Charlie Winkler, VP EVI-Telex Pro Audio Group, will describe and demonstrate the X-Array system as well as fielding questions from the audience.

A key part of the demonstration will include Claire Massey, from the Chicago band, Claire. Claire will perform live, to pre-recorded tracks of her band. An interesting note is that it was Claire and her band who were selected to demo the X-Array system to the Rolling Stones.

If you have a favorite CD, please bring it.

**NON-MEMBERS ARE WELCOME TO ATTEND**

## Of Possible Interest

While the Audio Engineering Society and the PNW Section do not endorse any commercial products or endeavors of any sort, from time to time our meeting notices like this one will be used to inform you, the regional AES membership, of special events and educational programs coming to the area that may be valuable to you in your audio profession.

**Acoustical Society of America (ASA)** NW Chapter, meeting April, 22 1998. Topic: Background Noise Criteria in Buildings by Jerry Lilly, JGL Acoustics

Jerry Lilly, President of JGL Acoustics, Inc. will present a brief history of the various criteria that have been used to evaluate background noise in buildings. These criteria include dBA, NC, PNC, RC, NCB, and the new RC (Mark 2) method that will appear in the 1999 ASHRAE Handbook. He will discuss the advantages and disadvantages of each method, and he will also present measured spectra from selected projects to illustrate specific shortcomings of these methods. Finally, he will present his own opinions as to how these criteria should be used and what to expect in the future.

The venue of the April 15th presentation is Domani in Bellevue. 5:30 Cocktails; 6:00 Dinner; 7:30 Talk.

Please RSVP to the ASA Program Chairperson Ioana Park

(206-270-8910 or brc@seanet.com), or Treasurer Basel Jurdy (206-583-0465 or caby@msn.com), by 4:00 PM on April 13th. It is important that we know whether you intend to partake of the dinner or simply attend the presentation.

Future meetings include:

Wednesday, May 20, 1998

Speaker: Todd Welti, Michael R. Yantis Associates

Subject: Loudspeaker Line Arrays

Saturday, June 20, 1998

Speaker: Yoichi Ando, Kobe University, Japan

Subject: Blending Sound Sources, Sound Fields, and Listeners

**PNW Committee Members**  
Terry Denbrook, KUOW, 206-543-2710 - Raul Gonzalez, Concert Sound, 206-855-9576  
Aurika Hays, RealNetworks, 206-674-2277 - Barry James, Puget Sound Recording, 206-650-6554  
Steve Macatee, Rane, 425-355-6000 - Dan Mortensen, Dansound, 206-525-2113  
Bob Moses, PAVO, 206-682-7223 - Rick Smargiassi, Seattle Center Sound, 206-684-7116  
**1997-98 PNW Officers**  
Chair David Scheirman, JBL Professional, 206-842-9876 - Vice-Chair Rick Chinn, Uneda Audio, 425-868-0442  
Secretary Gary Louie, UW School of Music, 206-543-1218 - Treasurer Allen Goldstein, PAVO, 206-682-7223

**AES Pacific Northwest Section**  
c/o Gary Louie, 4522 Meridian N #201, Seattle WA 98103  
<http://www.aes.org/sections/pnw>

**Audio Engineering Society Headquarters**  
60 East 42nd St #2520, New York, NY 10165-2520  
212-661-8528 or 800-541-7299  
<http://www.aes.org>



**AUDIO engineering society, Inc.**  
60 EAST 42nd STREET  
NEW YORK, NY 10165-2520  
ADDRESS CORRECTION REQUESTED

**FIRST CLASS**

PNW SECTION  
APRIL MEETING NOTICE