



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/>



May 1998 Meeting Notice and Announcements

Chairman's Message

David Scheirman

Greetings - It was good to see such a great turnout for our April 20th meeting on Modular Sound Reinforcement Systems for Touring Use, held at the Moore Theatre. The PNW Section extends its appreciation to Lopponow and Associates for graciously making their system demon-

stration and rented facility an open event for the AES.

In the next 30 days we have several activities, one or more of which is certain to be of interest to you. Selected topics touch on new audio production techniques, specialty audio system design, and church sound applications.

An important note: It's that time of year for the Pacific Northwest Section to focus on the nomination and selection of new Officers. Stay

tuned for detailed information on our Annual Section Business Meeting, coming up this summer. If you, or another AES member that you know, have suggestions for nominations in this year's election for Officers or Committee Members, please contact me or one of the other members of the Nominating Committee - Rick Smargiassi and Dan Mortensen. Phone numbers will be found on the reverse side of this notice.

May 20 Meeting

Hear New Surround Sound Technology in a New Student Audio Production Facility

Date: Wednesday, May 20, 1998

Time: 7:30 PM

Place: Bellevue Sr. High School, Rm. 508
10416 SE Kilmarnock St.,
Bellevue, WA

Our May meeting will take place at Bellevue High School's new on-campus recording studio. The school's 10-watt radio station (KASB), video production, and the audio studio have been built into the totally redesigned space of the former wood shop. Equipment which has mostly been scrounged or donated, includes an Otari MX5050,

Tascam DA-30's, and various Mackie consoles. George Hallowell of Studio Pacifica, Ltd., the project architects, will be on hand, along with acoustical consultant Michael Yantis, to describe the design considerations and features of the facility.

This meeting will feature a presentation by AES member Bob Reams of SAIL (Seattle Audio Imaging Labs). While many surround sound audio standards exist, most are oriented toward cinema - not music, and many require hardware not currently in the hands of most consumers. Bob will be describing and demonstrating a proposed LCRS (Left, Center, Right, Surround) system tailored specifically for music, and compatible with the popular Dolby ProLogic surround hardware. This process was recently used to produce a demonstration CD using live concert music from the rock group Yes. Meeting attendees will each receive a copy.

Robert Reams has 21 years of experience in the professional audio industry and is an inventor or co-inventor named on U.S. Patents for filter designs, a spectrum analyser, and an improved matrix decoder, with three additional patents pending. He has lectured at Audio Engineering

Society Conventions four times from 1977-95. He is presently researching psychoacoustic modeling of "classic" signal processors as well as developing Certification Programs for Surround Sound Processes.

Mr. Reams has been a product and technology development consultant to Audio Control, Carver, Symmetrix, Eagle, TDM, Brady Theater Corp., Cinema Group Ltd. and Seattle Audio Imaging Laboratories. He obtained his Electrical Engineering Degree from the University of Oklahoma, and is on the Board of Advisors for ITT Institute in Bellevue, Washington and HTE Institute in Tulsa, Oklahoma. Mr. Reams is a member of AES, IEEE and the ASA.

Directions: The entrance to BHS is about 1/2 mile south of Bellevue Square (2 blocks south of Main St) on Bellevue Way (AKA 104th Ave). There is a large lighted BHS sign on the east side of Bellevue Way at Kilmarnock. From SR520, exit 9 to Bellevue Way southbound for approx. 2 miles. From I-405, exit at NE 4th westbound to Bellevue Way, then southbound about 1/2 mile. From I-90, take Bellevue Way exit, northbound on Bellevue Way for about 1.7 miles, right at Kilmarnock.

May 27 Meeting

Loudspeaker Line Arrays

Todd Welti of Michael Yantis Associates

Date: Wednesday, May 27, 1998

Time: Opt. dinner 6 PM; meeting 7:30 PM

Place: Andy's Diner
2963 4th Avenue South
Seattle

Joint Meeting with the Acoustical Society of America

Increasing performance and decreasing cost of digital signal processing is making complex beam forming of large arrays ever more practical. FIR filters are the preferred method for controlling aperture width of the array, due to their linear phase characteristic. Discussion will include a review of some basic array principles, and a discussion of unequally spaced line arrays. A large array with 14 transducers was designed for St. Mark's Cathedral. Computer modeling, physical implementation, and other design issues will be discussed.

Todd Welti is Staff Acoustician for Michael R. Yantis Associates Inc. P.S.

AES members planning to attend please notify Barry James (AES Meeting & Programs Coordinator) at 206-650-6554, by the 25th to ensure space and specify dinner and/or meeting attendance.

The schedule is:

5:30 PM No host cocktails

6:00 PM Dinner

7:30 PM Presentation

For additional questions, contact ASA officers Jaona Park at 206-270-8910 (BRC@seanet.com) or Basel Jurdy at 206-583-0465 (caby@msn.com)

NON-MEMBERS ARE WELCOME TO ATTEND

Upcoming Meeting

Mark your calendar for our June 2nd Section Meeting on "Church Sound Applications," to be held at Bellevue Presbyterian Church, including a closeup look at the advanced audio systems used for this active house of worship. This will also be the Annual Section Business meeting. Please be sure to be present for elections.

Of Possible Interest

June 20-26, 1998, the Seattle chapter of the Acoustical Society of America will host a major event, the 16th International Congress on Acoustics (I.C.A.) and 135th Meeting of the ASA. The theme of the 16th I.C.A. is "The Sound of the Future: A Global View of Acoustics in the 21st Century." A technical program will consist of plenary lectures and contributed papers. Of potential interest to Audio Engineering Society members, there will be a special focus on Architectural Acoustics and Musical Acoustics. For more information about ASA Membership or to receive an advance registration brochure on this event, contact: Acoustical Society of America, ICA/ASA '98 Registration, 500 Sunnyside Blvd., Woodbury, NY 11797. Fax # (516) 576-2377 and <<http://asa.aip.org>>

PNW Committee Members
Terry Denbrock, KUOW, 206-543-2710 - Raul Gonzalez, Concert Sound, 206-855-9576
Aurika Hays - 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

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ADDRESS CORRECTION REQUESTED

PNW SECTION
May 98 MEETING NOTICE

FIRST CLASS