

**2004-2005
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Interactive Presentation

Demystifying Line Arrays

GerrAudio

Date: Tuesday, January 25, 2004

Time: 7:30 pm

Where: Eaton Theatre, Ryerson University

Rogers Communications Building
80 Gould Street, Toronto, ON
corner of Gould and Church, east of Yonge St
(Dundas Subway)

For parking info and map, goto <http://www.ryerson.ca/parking/>

Pre-Meeting "Dutch Treat" dinner 5:30 pm at the Pickle Barrel (corner of Edward and Yonge in the Atrium)

Demystifying the Line Array

An in-depth look at the myths, the theory, and the practical application of modern line array technology. Topics include: basic line array theory, evolution of the modern line array, line array myths - fact vs. fiction, predicting line array behaviour, optimising line array performance and line array vs. conventional systems in practical application.

GerrAudio is Canada's source for high end audio products and is recognized the world over for their commitment to the integrity of live performance, broadcast and recorded sound. GerrAudio is the exclusive Canadian distributor for Audio Precision, Clear-Com Communications, DiGiCo, Drawmer, HM Electronics, Meyer Sound and SoundField.

December Meeting Review

Loudspeaker Design and Physics

Date: Tues 7 DEC 2004

Time: 7:30 PM

Location: Harris Institute for the Arts

John Vanderkooy spoke on the Basic Acoustics of Loudspeakers. His tutorial outlined the essential acoustics needed to understand direct-radiator loudspeakers. Topics ranged from the gas law to the diffraction of a loudspeaker cabinet. Acoustic pressure and particle velocity concepts for plane waves and for spreading 3D waves will be explained. Demonstrations of some acoustic effects for speakers will be shown. A major conclusion is that the acoustic output is related to the acceleration of the diaphragm for a baffled system. These points were illustrated with experiments and measurements with a MLSSA system.

PSB Loudspeakers' founder **Paul Barton** spoke about the history of PSB, and the challenges of designing a loudspeaker for consumer use which overcomes a good number of the difficulties inherent to loudspeaker design - as we saw in Professor Vanderkooy's presentation.

Goto www.torontoaes.org for the complete text of this review.

Up-Coming Meetings Preview

Bob Ludwig

Date: Tues 22 FEB 2005

Time: 7:30 PM

Location: Eaton Theatre, Ryerson University

Surround Sound Workshop: Recording, Processing, Reproduction and Listening

Date: April 23, 2005 (Subject to change)

Time: 9:00 AM – 5:00 PM

Location: TBA

The Toronto AES Section Bulletin is published ten times yearly by the Audio Engineering Society Toronto Section and is available on the Internet at **www.TorontoAES.org**

Submissions are welcome. Please e-mail to Earl McCluskie: earlm@chestnuthallmusic.com. Articles may be reprinted with the author's permission. Space is available for AES related companies and individuals wishing to address our members. For advertising rates or other info, e-mail TorontoAES@vex.net.

NOTES

- Sponsor coffee and donuts for an AES meeting and in return, we will run an ad in the Bulletin for your company. Contact Toronto AES Secretary Robert Breen at TorontoAES@vex.net for more information.
- It's time to renew your AES membership. Goto www.aes.org, and use your credit card to renew.
- Thank you to Ryerson University for providing the Eaton Theatre for our meetings.