

## TELEX®/ELECTRO-VOICE® REPRESENTATIVES C. L. PUGH AND ASSOCIATES INSTALL MULTIPLE PRODUCT LINES INTO UNIVERSITY OF DAYTON ARENA, OHIO.

**Brunswick, OH (May 14, 2003):** C. L. Pugh and Associates ([www.pugh.com](http://www.pugh.com)) have been multi-line audio and lighting manufacturer's representatives for 60 years. They have worked with Electro-Voice for every one of those years, evolving with the industry to become EV's most successful rep group. "One of the most rewarding aspects of being a multi-line independent manufacturer's representative is that of problem solving/solution selling", says George Falkenbach, VP at C. L. Pugh. One such solution that characterizes C. L. Pugh's current work with Telex/EV brands and product lines is the recent upgrade to the University of Dayton Arena sound system. Originally built in 1968, the 13,411-seat arena was outfitted with a central cluster system of Frazier and Altec components designed by Boner & Associates. The arena cluster was replaced in 1988 with an Altec full-range cluster system comprised of Mantaray horns and 815/816 bass bins, and Altec incremental amplifiers. One drawback to the system was that the horns had too long a throw to effectively reach the furthest seats in the upper wings of the arena.



*Walls of Sound: Electro-Voice Precision Series Amplifiers*

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In early 2000 the scoreboard was replaced, which brought with it the need to redesign the audio system. The new scoreboard left little room (2 – 3 feet maximum) from which a central cluster design system could be suspended to cover the seating area. Working in conjunction with Copp Systems Integrator of Dayton, OH, a solution was determined applying information derived from AcoustaCad. A cluster of 8 Electro-Voice Xi2183/64F's (2 per side of the scoreboard), hung horizontally, with the HF horns rotated 90 degrees, was determined to be sufficient to cover the lower bowl seating areas. The balance of the system is distributed. The upper half of the lower bowl, as well as the lower half of the upper wings are covered with Xi1123/106F's (3 per wing), also hung horizontally, with the HF horns rotated 90 degrees. The seats located in the upper halves of each wing are covered with Xi1183/64F's (5 per wing), hung horizontally, horns rotated 90 degrees. An additional 2 Xi1123/106F's along with a Xi2181F cover the floor area. Electro-Voice P1250 and P3000 amplifiers power the system.

In 2001, a Telex BTR-300 RadioCom wireless intercom system was added to interface with the existing AudioCom wired intercom system. Additional facility upgrades continued in the fall of 2002. The drop ceilings in the East and West concourse areas were removed, creating an open atmosphere. 12 Electro-Voice Sx80B's are installed in each area, adjacent to large screen monitors. In addition, there were 12 Sx80PIX's installed on the outside of the arena at the entrance areas. The Sx80's are used for pre and post game messaging. Also completed at that time was the Time Warner Flight Deck, a second floor sports lounge. The lounge is covered by a distributed system incorporating 19 Electro-Voice S-40TB's, and 4 SB180's for bass response. The fine dining area, located on the opposite side of the arena, and reserved for benefactors and supporters of the university is covered by a distributed ceiling speaker system.

2003 brought the addition of 5 Telex FMR-1000 combination bodypack/handheld wireless microphone systems to the overall systems already installed. 3 of the systems are installed in the sound booth, and 1 each in the lounge and fine dining areas. In addition, 6 Electro-Voice RE16's were added for general-purpose use throughout the arena. The University of Dayton "Flyers" are members of the Atlantic 10 Conference, and recently won the Atlantic 10 Basketball championship hosted in their home arena. Tom Frericks, President of Copp Systems Integrator, reports that University officials have been very pleased with the performance of the equipment installed.

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# News Release

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