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## **Can True Reproduction be Obtained with Binaural Recordings?**

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**C2-3 Can True Reproduction Be Obtained with Binaural Recordings?**—*Kim Alan Larsen, Henrik Møller, Michael Friis Sørensen, and Jørn Vagn Hundedbøll, University of Aalborg, Aalborg, Denmark*

Shortcomings in localization with existing binaural systems are well-known (and verified in a previous experiment). This raises the question: Is it at all possible to make a true reproduction in a binaural system? In an experiment, recordings were made in the ear canals of each individual listener and played back through an individually equalized headphone. It was further investigated

whether the binaural technique works at all when the listener is presented with recordings made in the ears of another person. Localization performance with the reproduced binaural recordings was compared to that obtained in real life.

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