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EDUCATION

Bradley University, Peoria, IL BS 1979 Speech&Hearing
Vanderbilt University, Nashville, TN MS 1981 Audiology

CERTIFICATION

1983, American Speech-Language-Hearing Association Certification (CCC-A)

PROFESSIONAL EXPERIENCE

1980-83 Research Assistant and Clinical Audiologist, Vanderbilt University, Division of Hearing and Speech, Nashville, TN
1982 Clinical Audiologist, Private ENT Practice, Nashville, TN
1983-85 Clinical Supervisor, Bill Wilkerson Hearing and Speech Center, Department of Audiology, Nashville, TN
1986-89 Senior Clinical Audiologist, Medical College of Georgia Hospital, Department of Audiology and Speech Pathology, Augusta, GA
1989-93 Staff Research Associate, UCLA School of Medicine, Division of Head and Neck Surgery, Los Angeles, CA
1993- Instructor, Medical University of South Carolina, Department of Otolaryngology - Head and Neck Surgery, Charleston, SC

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Acoustical Society of America
American Auditory Society
American Speech-Language-Hearing Association

PUBLICATIONS

Humes LE, Ahlstrom JB (1983). New procedures for the evaluation of hearing protectors. In (Rossi G), Proceedings of the Fourth International Congress on Noise as a Public Health Problem, Amplifon, Milan, Italy, 172-184.
Humes LE, Ahlstrom JB (1984). Relation between reaction time and loudness. *J Speech Hear Res* 27, 306-310.
Lazenby BL, Logan SA, Ahlstrom JB, Bess FH (1986). Self assessment questionnaire for the elderly: Hearing aid dispensary use. *Hear J* 39, 18-21.
Dirks DD, Lee L, Ahlstrom JB (1990). Frequency-gain shaping of hearing aids. *J Rehab Res Devel* 28, 247.
Dirks DD, Ahlstrom JB, Noffsinger PD (1993). Preferred frequency response for two- and three-channel amplification systems. *J Rehab Res Devel* 30, 305-317.
Dirks DD, Ahlstrom JB, Eisenberg LS (1994). Effects of probe insertion depth on real ear measurements. *Otolaryngol-Head Neck Surg* 110, 64-74.
Dubno JR, Ahlstrom JB (1995). Masked thresholds and consonant recognition in low-pass maskers for hearing-impaired and normal-hearing listeners. *J Acoust Soc Am* 97, 2430-2441.
Dubno JR, Ahlstrom JB (1995). Growth of low-pass masking of pure tones and speech for hearing-impaired and normal-hearing listeners. *J Acoust Soc Am* 98, 3113-3124.
Dirks DD, Ahlstrom JB, Eisenberg LS (1996). Comparison of probe insertion methods on estimates on ear canal SPL. *J Am Acad Audiol* 7, 31-38.
Lam CF, Dubno JR, Ahlstrom JB, He NJ, Mills JH (1997). Estimating parameters of psychometric functions using the 4-point sampling method. *J Acoust Soc Am* 102, 3697-3703.
Dubno JR, Ahlstrom JB (1997). Additivity of multiple maskers of speech. In: Jesteadt W, Ed, *Modeling Sensorineural Hearing Loss*, Lawrence Erlbaum Associates, Hillsdale NJ, 253-272.
Dirks DD, Ahlstrom JB, Morgan DE (2000). Auditory sensitivity: air and bone conduction. In: Canalis RF, Lambert, PR, eds. *The Ear: Comprehensive Otology*, Philadelphia:

Lippincott Williams and Wilkins, 197-209.

Dubno, JR, Ahlstrom, JB, Horwitz, AR (2000). Use of context by younger and older adults with normal hearing. *Journal of the Acoustical Society of America*. 107, 538-546.

Dubno, JR, Ahlstrom, JB, Horwitz, AR (2002). Spectral contributions to the benefit from spatial separation of speech and noise. *Journal of Speech, Language, and Hearing Research*, 45, 1297-1310.

Horwitz, AR, Dubno, JR Ahlstrom, JB (2002). Recognition of low-pass-filtered consonants in noise with normal and impaired high-frequency hearing. *Journal of the Acoustical Society of America*. 111, 409-416.

Dubno, JR, Horwitz, AR, Ahlstrom, JB (2002). Benefit of modulated maskers for speech recognition by younger and older adults with normal hearing. *Journal of the Acoustical Society of America*, 111, 2897-2907.

Dubno, JR, Horwitz, AR, Ahlstrom, JB (2003). Recovery from prior stimulation: Masking of speech by interrupted noise for younger and older adults with normal hearing. *Journal of the Acoustical Society of America*, 113, 2084-2094.

SELECTED PRESENTATIONS

Dirks DD, Lee L, Ahlstrom JB, Noffsinger PD (1990). Application of simplex adaptive test strategies for hearing aid selection. American Speech-Language-Hearing Association.

Dirks DD, Ahlstrom JB, Noffsinger PD (1992). Preferred frequency response for two and three channel amplification systems. American Academy of Audiology.

Dirks DD, Ahlstrom JB, Eisenberg LS (1993). Effects of probe insertion depth on real ear measurements. Baylor College of Medicine Symposium Commemorating James Jerger's 25th Anniversary, Houston, TX.

Mills JH, Dubno JR, Matthews LJ, Ahlstrom JB, Boettcher FA, Gratton MA, He NJ, Lee FS, Poth EA, Schmiedt RA, Schulte BA (1997). New findings in auditory aging. Invited Session, American Academy of Audiology.

Horwitz AR, Dubno JR, Ahlstrom JB (1997). Low-frequency speech recognition with normal and impaired high-frequency hearing. Association for Research in Otolaryngology, Midwinter Meeting.

Horwitz, AR, Dubno, JR, Ahlstrom, JB, Turner, CW (1997). Components of hearing aid benefit over time. Second Biennial Hearing Aid Research and Development Conference, NIH/NIDCD and Department of Veterans Affairs.

Dubno JR, Ahlstrom, JB, Horwitz, AR (1999). Use of context by young and aged subjects with normal hearing. Association for Research in Otolaryngology, Midwinter Meeting.

Dubno JR, Ahlstrom JB, Horwitz AR (2000). Benefit of modulated maskers for younger and older adults with normal hearing. Association for Research in Otolaryngology, Midwinter Meeting.

Horwitz, AR, Dubno JR, Ahlstrom, JB (2000). Low-pass-filtered sentence recognition in noise and single-talker maskers for adults with normal and impaired high-frequency hearing. Association for Research in Otolaryngology, Midwinter Meeting.

Dubno, JR, Horwitz, AR, Ahlstrom, JB (2000). Speech recognition in noise at higher-than-normal levels: Decreases in scores and increases in masking. International Hearing Aid Research Conference.

Horwitz, AR, Dubno JR, Ahlstrom, JB (2000). Low pass filtered word recognition in steady-state and interrupted maskers for adults with normal and impaired high-frequency hearing. International Hearing Aid Research Conference.

Mills JH, Dubno JR, Boettcher FA, Matthews LJ, Ahlstrom JB (2001). Deriving estimates of auditory sensitivity in quiet-aged domestic gerbils. Association for Research in Otolaryngology, Midwinter Meeting..

Dubno JR, Horwitz, AR, Ahlstrom, JB (2001). Recovery from prior stimulation: Effects of modulated masking of speech for younger and older adults with normal hearing. Association for Research in Otolaryngology, Midwinter Meeting.

Horwitz, AR, Dubno JR, Ahlstrom, JB (2001). Effects of high-frequency hearing loss on recognition of low-pass-filtered words in steady-state and interrupted maskers. Association for Research in Otolaryngology, Midwinter Meeting.

Ahlstrom, JB, Dubno, JR, Horwitz, AR (2001). Benefit from spatial separation of speech and noise sources. American Speech-Language Hearing Association, Annual Meeting.

Dubno, JR, Horwitz, AR, Ahlstrom, JB (2002). Recognition of filtered speech in noise at higher-than-normal levels: Decreases in scores with and without increases in masking. Association for Research in Otolaryngology, Midwinter Meeting.

Dubno, JR, Horwitz, AR, Ahlstrom, JB (2002). Listening in the dips: Masking of speech by interrupted noise and detection of tones in forward masking. International Hearing Aid Research Conference.

Dubno, JR, Horwitz, AR, Ahlstrom, JB (2003). Basilar-membrane nonlinearity effects on tones and speech. 145th Meeting of the Acoustical Society of America.

Dubno, JR, Horwitz, AR, Ahlstrom, JB. (2003). Binaural Advantage for Speech for Younger and Older Adults with Normal Hearing. Association for Research in Otolaryngology, Midwinter Meeting.

Horwitz, AR, Ahlstrom, JB, Dubno, JR (2004). Factors affecting the benefit of high-frequency speech audibility. International Hearing Aid Research Conference.