



**ASU Speech & Hearing Science
Ph.D. Program Newsletter
Number 1 - January 2005**

Welcome to the first edition of the Speech & Hearing Science Ph.D. Program Newsletter! We hope to publish this newsletter annually for current Ph.D. students, faculty, and alumni to keep them up-to-date on the research activities and achievements of our students. Our Ph.D. program continues to grow in both students and faculty allowing us to form an even stronger and more cohesive cohort. Last year, our students were authors on *ten* research publications and on *sixteen* posters/presentations (see the listings at the end of the newsletter)! In the coming year, we hope to continue our strong research presence.

UPDATES

This year, we welcomed three new Ph.D. students to the program: *Anny Castilla* (mentor: Laida Restrepo); *Sharon McKarns* (Mentors: Andrea Pittman & Michael Dorman), and *Erica Williams* (Mentor: Sid Bacon). We look forward to hearing their First-Year Research Presentations in May. Speaking of which, last May, *Yu-kyong Choe* and *Louise Loiselle* gave strong presentations of their first-year research projects. *Kari Krein-Jones* continued her research projects at the Mayo Clinic Scottsdale. *Juliet Davie* is completing her comprehensive exam and will be defending her dissertation prospectus in a few weeks. *Patty McCartney* and *Addie Lafferty* presented their dissertation prospectuses and are currently conducting their proposed experiments. Several students, including *Deepa Aier*, *Ferenc Bunta*, and *Heather Weintraub*, are completing their dissertation research and planning to defend their dissertations this year. At the end of the Fall semester, we congratulated *Tony Spahr* on the completion of his dissertation and survival of his defense. He is now a Faculty Research Associate in the Cochlear Implant Research Laboratory at ASU.

AWARDS

We are proud that so many of our students earned prestigious awards and scholarships last year. *Ferenc* was a Spencer Fellow and was awarded an ASU/Spencer Discipline-Based Fellowship. He was also named an honoree at the Tribute to Faculty and Academic Professionals by ASU Student Affairs. *Patty* was another Spencer Fellow and was awarded an ASU/Spencer Discipline Based Fellowship. The Spencer Fellowships are quite an achievement and only nine are awarded at ASU each year. *Yu-kyong* was awarded the Marilyn Miller Quintana Moline Scholarship by the ASU Speech & Hearing Science Department. *Addie* was named a 2004 Head Start Graduate Student Research Scholar and was awarded an impressive \$40,000 grant to fund her dissertation research for 2004-2006. *Tony* was awarded an NIH Predoctoral Fellowship Grant entitled "Speech Perception In Exceptional Cochlear Implant Users" (award dates November 2003-October 2005).

Research Publications

- Bunta, F.**, Davidovich, I., & Ingram, D. (in press). The relationship between the phonological complexity of a bilingual child's words and those of the target languages. *International Journal of Bilingualism*.
- Fitzmaurice, S., Major, R. C., **Bunta, F.**, & Balasubramanian, C. (in press). Testing the effects of regional, ethnic, and international dialects of English on listening comprehension. *Language Learning*.
- Bunta, F.** (2005). Reconsidering factors affecting the acquisition of novel second language phonemes: A study of Hungarian ESL learners. In James Cohen, Kara McAlister, Kellie Rolstad, & Jeffrey MacSwan (Eds.). *The Proceedings of the 4th International Symposium on Bilingualism*. Somerville, MA: Cascadilla Press.
- Ingram, K., **Bunta, F.**, & Ingram, D. (2004). Digital data collection and analysis: Application for clinical practice. *Language Speech and Hearing Services in Schools*, 35 (2), 112-122.
- Bunta, F.**, & Major, R. C. (2004). An Optimality Theoretic account of Hungarian ESL learners acquisition of /ɛ/ and /æ/. *International Review of Applied Linguistics in Language Teaching*, 42, 277-298.
- Davie, J.E.**, Azuma, T., Goldinger, S.D., Connor, D.J., Sabbagh, M.N., & Silverberg, N. (2004). Sensitivity to expectancy violations in healthy aging and Mild Cognitive Impairment. *Neuropsychology*, 18, 269-275.
- Lafferty, A. E.**, Gray, S., & Wilcox, M. J. (in press). Teaching Alphabetic Knowledge Skills to Preschool Children with Specific Language Impairment. *Child Language Teaching and Therapy*.
- Spahr, A.J.** & Dorman, M.F. (2004). Performance of implant patients fit with the CII and Nucleus 3G devices. *Archives of Otolaryngology – Head & Neck Surgery*, 130: 624-628.
- Williams, E.J.** & Bacon, S.P. (In press). Compression estimates using behavioral and otoacoustic emission measures. *Hearing Research*.
- Azuma, T., **Williams, E.**, **Davie, J.E.** (2004). Paws + Cause = Pause? Working memory load and memory blends in homophone recognition. *Psychonomic Bulletin & Review*, 11, 723-728.

Research Presentations

- Bunta, F.** (November 2004). Methodological considerations in measuring phonological skills in bilingual children: Acoustic considerations. Paper presented at the 2004 Annual Convention of the American Speech-Language-Hearing Association, Philadelphia, PA.
- Bunta, F.** (November 2004). Digital versus analog audio sampling. Paper presented at the 2004 Annual Convention of the American Speech-Language-Hearing Association, Philadelphia, PA. (invited session)
- Bunta, F.**, & Boykoff, R. (May 2004). The acquisition of speech rhythm by bilingual Spanish- and English-speaking children between 4 and 5 years of age. Paper presented at the 2004 Child Phonology Conference, Arizona State University, Tempe, AZ.

- Bunta, F.** (February 2004). *Teaching an interactive speech science course on a limited budget.* Poster session presented at the Second Annual Southern California Conference on Speech, Language, and Hearing Sciences, San Diego, CA.
- Choe, Y., Mathy, P., & Azuma, T.** (May 2004). Treatment Effect of Computer and AAC Device Practice on Naming in Aphasia. Poster presented at conference of the Arizona Speech-Language-Hearing Association. Tucson, Arizona.
- Choe, Y., Mathy, P., Azuma, T., Liss, J., & Edgar, J.** (November 2004). Effect of Computer-Mediated Training on Naming Performance by Individuals with Aphasia. Poster presented at the Conference of the American Speech-Language-Hearing Association. Philadelphia, PA.
- Davie, J.E., Azuma, T., Goldinger, S.D., Connor, D.J., Sabbagh, M.N., & Caselli, R.** (November 2004) Semantic Satiation in the Changing Brain. Poster presented at the 44th Annual Meeting of the Psychonomic Society. Minneapolis, Minnesota.
- Lafferty, A. E., Obeidat, K., Gray, S., & Wilcox, M. J.** (November 2004). Inter-Rater And Test-Re-Test Reliability Of The ELLCO. Poster presented at the Conference of the American Speech-Language-Hearing Association. Philadelphia, PA.
- Lafferty, A. E., & Wilcox, M. J.** (November 2004). A Community Literacy Partnership: The Museum Without Walls Literacy Project. Poster presented at the Conference of the American Speech-Language-Hearing Association. Philadelphia, PA.
- McCartney, P. & Rice, T.** (November 2004) Managing Undesirable Behavior, a language and behavioral perspective in children with ASD. Northern Arizona University and NARBHA Conference on Autism Spectrum Disorders. Flagstaff, Arizona.
- McCartney, P., & Rice, T.** (January 2005) Encouraging Language in Children with Autism. Autism/Asperger's Conference Arizona State University and The Greater Phoenix Chapter of the Autism Society of America. Phoenix, Arizona.
- Rhoades, E. A., Ed.S, **McKarns, S. A.**, MA "Bilingualism and Auditory-Verbal Therapy," AG Bell 2004 Convention, Anaheim, CA
- Spahr, A.J. & Dorman, M.F.** (November 2004). A comparison of performance among patients fit with the CII Hi-Resolution, 3G and Tempo+ processors. Poster presented at the Meeting of the Acoustical Society of America. San Diego, CA.
- Spahr, A.J. & Dorman, M.F.** (May 2004). The effects of minimum stimulation setting on speech recognition. Poster presented at the VIII International Cochlear Implant Conference. Indianapolis, IN.
- Dorman, M.F., **Spahr, A.J.**, Litvak, L. & Mishra, L. Tuning the implant to the cochlea using simple melodies. Paper presented at the VIII International Cochlear Implant Conference. Indianapolis, IN.
- Weintraub, H. L., Aier, D. J., Bacon, G., Brown, J., Greer, D., Lafferty, A. E., Wilcox, M. J.** (2004). "Training SLP Graduate Students In Home-Based Early Intervention." Poster presented at the Conference of the American Speech-Language-Hearing Association. Philadelphia, PA.