

save the dates

May 4-5,  
2007

department to  
celebrate half-  
century mark

50  
*years of excellence*

November 2006

Speech Pathology and Audiology

COLLEGE OF LIBERAL ARTS & SCIENCES

THE UNIVERSITY OF IOWA



## message from the chair

**T**

he anniversary of the department this year reminds us all of the long and productive history of our department and the effect that it has had on the field. When I came to Iowa and joined the faculty many years ago, I was coming from an engineering program and was truly an "outsider," not knowing about the field or the individuals involved in creating and modifying the tradition of speech pathology and audiology. It was through my interactions with colleagues here at the time that I came to appreciate that tradition of the department and the individuals involved with its inception and growth. As the new chair, the tables are turned in that I have the responsibility of welcoming new students in the beginning of the fall semester. In that welcome session I included a short presentation of the "history of department and field." This is one small thing that I can do to be sure that at least some of that tradition is passed on to new students going through our program.

The history of the department and the field has always been important to us. One tradition has been to save old equipment -- basically not throwing anything out. I learned this early on in my tenure at Iowa from colleagues such as Arnold Small and David Lilly, although I must admit that I have always had that inclination. We would go on "shopping trips" to surplus, picking up old tubes and computer parts, *(continued on page 2)*

## tentative schedule of anniversary events

### Thursday evening, May 3

- ▶ *Informal get together at George's Buffet*

### Friday, May 4

- ▶ *Student Posters; Tours of Laboratories and Clinic; Campus Presentations; Party and Variety Show*

### Saturday, May 5

- ▶ *Presentations; Picnic and "Awards" Ceremony*

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The 'Wall of Frames' at WJSHC (Justin St. Clair photo)

### Newsletter committee

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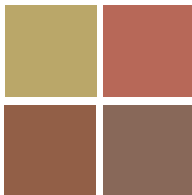
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The newsletter is published at least twice each year for alumni, former faculty and friends.

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### Message from the chair (continued)

trying to keep the electronic switches and Interdata computer functional. In the past few years we have expanded lab space in the building, obviously a good thing, but in the process we have necessarily eliminated old equipment graveyards. In the process of expansion however we have still tried to preserve many of the important artifacts such as the Henrici Analyzer. As part of the 50th anniversary celebration and reunion in May, we hope to put some of those artifacts in a permanent display.

Of course, individuals rather than equipment are much more important to the legacy of the department. The department began many years ago to honor emeritus faculty by displaying portraits in the first-floor hall. I think this began sometime in the early 80s and over the years we have added faculty portraits that now include: Dorothy Sherman, Dean Williams, Jim Curtis, Hugh Morris, D.C. Spriestersbach, Ken Moll, Arnold Small, Charlie Anderson, Erich Luschei, and most recently, Jim Hardy. These individuals represent different time periods and fields of expertise, but all have made important and lasting contributions to our department and to students in the field.

As part of the 50<sup>th</sup> anniversary celebration and reunion, several individuals are working to pull together old photos and other materials (see page 7 for details). In the process of doing that we hope to put together a new permanent exhibit in the building to further educate students and visitors of the history and the contributions that our department has made to the field.

## accommodations for guests

Blocks of rooms have been reserved at local hotels: The Iowa House, at the Iowa Memorial Union (319/335-3513 telephone, [http://imu.uiowa.edu/iowa\\_house](http://imu.uiowa.edu/iowa_house)); as well 20 rooms held until April 4, 2007, at The Sheraton Hotel, 210 S. Dubuque St. (319/337-4058 telephone, or <http://www.starwoodmeeting.com/Book/Speechpath>).

# New WJSHC laboratory facilitates cellular study of the voice

A new laboratory on the third floor WJSHC aims to answer questions in voice research, such as why one school-teacher wears out his or her voice faster than another teacher. Director of the lab is Ingo Titze, Ph.D., the Distinguished Professor of Speech Science and Voice. Titze also is executive director of the National Center for Voice and Speech (NCVS), housed at the UI and the Denver Center for the Performing Arts.

Titze and his team of research assistants and graduate students are using the facility, called the Laryngeal Molecular and Cell Biology Laboratory, to investigate genetic and cellular aspects of voice development and health. This lab represents the first molecular biology research area in the UI Wendell Johnson Speech and Hearing Center.

The hearing sciences are more advanced in using molecular biology in research, Titze explains, but work in this laboratory brings an exciting new facet to the field of voice science. Past research has shown that some people experience vocal fatigue much faster than others and that the vocal folds may be affected by genetic or environmental factors. However, little is known about what actually happens to cells within the vocal folds. In addition, other voice disorders and conditions are poorly understood at the molecular or cellular level.

Titze explained how the UI lab is different, compared to hundreds of other molecular biology labs.

"We look at the cell growth and expression of genes in an unusual environment, where tissue is vibrated at frequencies of 100 hertz or more," he explained. "For most organs in the body, tissue movement is at slower rates, but not for the vocal folds. We're going to see what happens to cells and their environment when they get 'tossed around' at these frequencies."

Findings could eventually help lead to improved therapies and even have an impact on other fields, such as space flight, where people may be exposed to vibration, Titze said.

The lab will provide opportunities for interdisciplinary research and for the department's graduate students to learn about molecular biology and how it impacts patient care.

"I believe future clinicians need to understand molecular biology and genetics well enough to assist in directing their patients to the best care," Titze added. "In that sense, work from this laboratory can help build bridges between research and clinical practice."

- excerpted from *UI Health Science Relations* article

## personnel

### Faculty

Abbas, Paul, *Department Chair*  
Akeson, Marcia  
Alipour, Fariborz  
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Bentler, Ruth  
Brown, Carolyn J.  
Cilek, Toni  
Clay, Kelly Schmidt  
Fennell, Ann  
Finnegan, Eileen  
Fleckenstein, Stephanie  
Goodman, Shawn  
Gordon, Jean K.  
Hall, Penelope  
Holte, Lenore  
Hurtig, Richard  
Junkins, Sally  
Karnell, Michael  
Kelsay, Danielle  
Louko, Linda  
McGregor, Karla  
Miller, Charles  
Moon, Jerald  
Niebuhr, Diane  
Owen, Amanda  
Reiss, Lina  
Smith, Alice  
Titze, Ingo  
Tomblin, J. Bruce  
Turner, Christopher  
Tyler, Richard  
Wallace, Anne  
Zebrowski, Patricia

### Professional / Scientific Staff

Fick, Wendy  
Goode, Danielle  
Lehrman, Kelvin  
Haley, Jim  
O'Brien, Marlea  
Ostrem, Julie  
Rebal, Kathy  
Wald, Arik  
Wood, David

### Secretarial Staff

Albright, Dorothy  
Miller, Kathy  
Thomason, Sharon  
Yotty, Mary Jo

## awards, awards, awards

The annual ASHA convention is November 16-18 in Miami, Florida. This year we have a number of students and alumni receiving awards. Those include:

**Ling-yu (Hugo) Guo** was awarded the 2006 Student Research Grant in Early Childhood Language. It is funded by the Arlene Matkin Memorial Fund and ASHA Special Interest Division 1, Language Learning and Education. The grant will fund his dissertation entitled "Acquisition of Copula and Auxiliary BE in English Speaking Children." Amanda Owen and Bruce Tomblin are co-directors of the dissertation.

**Yu-Hsiang Wu** was awarded the 2006 Student Research Award in Audiology. The grant is supported by the Ira Ventry and Brad W. Friedrich Memorial Funds and will help support his dissertation entitled, "Impact of Visual Cues on Microphone Mode Preference." Ruth Bentler is directing his dissertation.

**Elizabeth (Beth) Collison Walker** received the ASHA New Century Scholar Doctoral Scholarship Award. This scholarship is given to one full-time doctoral student in communication sciences and disorders who is pursuing a teacher-investigator career in academia at the university/college level.

HONORS of the Association (2006) are awarded to **Neil Shepard** (PhD 1979) and **Ida Stockman** (MA 1965). The 2006 FELLOWS of the Association include: **Jill Elfenbein** (MA 1975, PhD 1986); **Cynthia Johnson** (BA 1973, MA 1975); **Todd Ricketts** (BA 1989, MA 1991, PhD 1995); and **Margaret Rogers** (MA 1984, PhD 1992).

## student publications in 2006

Bentler RA, **Chiou L-K** (2006). Digital Noise Reduction: An Overview. Trends in Amplification 10(2): 71-82.

Bentler RA, **Wu Y-H, Jeon J.** (2006). Effectiveness of directional technology in open-canal instruments. Hearing Journal 59(11): 45-52.

**Dailey S**, Karnell MP, Karnell LH, Canady J. (2006). Comparison of resonance outcomes after pharyngeal flap and Furlow double-opposing z-plasty for surgical management of velopharyngeal incompetence. Cleft Palate-Craniofacial Journal, 43: 38-43.

**Downey D**, Hurtig R. (In Press). Rethinking AAC in Acute Care Settings. ASHA Division 12, Perspectives on Augmentative and Alternative Communication Newsletter.

**Hong RS**, Turner CW. (2006). Pure-tone auditory stream segregation and speech perception in cochlear implant recipients, Journal of the Acoustical Society of America, 120: 360-374.

**Jeng FC**, Abbas PJ, Brown CJ, Miller CA, **Nourski KV**, Robinson BK. (In Press). Electrically evoked auditory steady-state responses in guinea pigs. Audiology & Neurotology.

Karnell MP, **Melton SD**, Childes JM, Coleman TC, **Dailey SA**, Hoffman HT. (2006). Reliability of clinician-based (GRBAS and CAPE-V) and patient-based (V-RQOL and IPVI) documentation of voice disorders. Journal of Voice, 13: 39-49.

Miller CA, Abbas PJ, Robinson BK, **Nourski KV**, Zhang F, **Jeng F-C**. (2006). Electrical excitation of the acoustically sensitive auditory nerve: Single-fiber responses to electric pulse trains. Journal Association for Research in Otolaryngology, 7: 195-210.

Shin M, Wang S, Bentler R, **He S**. (In Press). New feedback detection method for performance evaluation of hearing aids. Sound and Vibration.

**Spencer L**, Tomblin JB. (2006). Speech production and spoken language development of children using "Total Communication" in P. E. Spencer, M. & Marschark (Eds), Advances in the spoken language development of deaf and hard-of-hearing children. New York: Oxford University Press.

**Yao A**, Turner CW, Gantz BJ. (2006). Stability of low-frequency residual hearing in patients who are candidates for combined acoustic plus electric hearing, Journal of Speech-Language-Hearing Research 49(4): 1-6.

# Iowa State Fair Outreach

The Iowa State Fair is one of the oldest, largest and most famous state fairs in the U.S. It has been ranked as one of the top events where Americans go for fun. What better place to raise awareness of noise-induced hearing loss and educate the public on hearing loss prevention? Many of the fairgoers are exposed to harmful noise levels right there on the fairgrounds from tractor pull contests, stock car races, and loud concerts. With that in mind, our outreach efforts were put into action in 2004. Since that time, the exhibit has evolved to include information on hearing loss, voice disorders, language development and stuttering.



Exhibit organizers are Stephanie Fleckenstein, Danielle Kelsay, Ann Fennell and Julie Ostrem, as well as WJSHC graduate students. In addition to informational handouts, posters, a rolling video, demonstrations, and personal interactions with WJSHC students and staff, fairgoers are referred to local audiologists, speech-language pathologists and Area Education Agencies, when needed. Public awareness and education are keys to preventing noise-induced hearing loss and voice disorders. With the Iowa State Fair hosting nearly a half-million visitors each year, the "Strong Ears/Healthy Voices" exhibit provides an opportunity to help Iowans keep their communication systems in tip-top shape.

- Stephanie Fleckenstein

## help us maintain our tradition of excellence

UI Foundation funds and awards established over the years attract excellent students and help them achieve their goals. The following awards were announced in Fall 2006.

*Iowa Speech-Language-Hearing Association Scholarships* **Maureen O'Malley** and **Erin Kightlinger**

*Laurel Stanzel Award for Outstanding Graduate Student in Audiology* **Katie Woodard**

*Shirley and Thomas Salmon Award* **Brienne Ruel**

*Leland and Esther Ogdahl Award* **Erin Kightlinger**

*Kristin Lodge-Miller Award for Outstanding SLP Graduate Student* **Lisa Webster**

*Bette Williams Scholarship in Clinical Fluency* **Lauren Danna**

*Bette R. Priestestersbach Award* **Maureen O'Malley**

<b>Your gift to The University of Iowa Foundation makes a difference!</b>		2007 SENA
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## faculty profile

**Patricia Zebrowski** joined the faculty in 1988, after completing her Ph.D. at Syracuse University. She is now an Associate Professor in the Department. She is a Fellow of the American Speech-Language and Hearing Association, and is also a Board Recognized Fluency Specialist (ASHA Special Interest Division 4). Tricia's teaching, research, and clinical interests are in the area of stuttering, with specific emphasis on children who stutter. In recent years, she has been actively involved in the development of instructional

videos for the Stuttering Foundation, and since 2003 the University has been the site of the Foundation's two-week workshop for specialists under her direction. Tricia's current research interests include potential risk factors for stuttering development in young children, and the physiological correlates of early stuttering. She and her students and research assistants are presently collaborating with investigators at both the University of Illinois and Purdue University on longitudinal studies of these phenomena (NIH R01# DC05210 and # DC000559). Since her arrival at UI, Tricia has been involved in a number of different ways in the WJSHC clinic. One example of this activity is the intensive residential therapy program for teenagers who stutter that she and Toni Cilek have directed every summer since 1998.



*Dr. Zebrowski is surrounded by research assistants and graduate students in the Stuttering Research Lab.*

## Iowa Homecoming Queen one of our own



Homecoming at The University of Iowa is always exciting, but this year's event was special. Not only did the Hawks soundly defeat the Purdue Boilermakers (47-17), but Kristi Musser, an undergraduate major in Speech and Hearing Sciences, was chosen as Homecoming Queen! The selection is based on scholarship, leadership, and service, and the judging was done by a panel of University employees and Iowa City community members. Kristi gets an A+ in each of those categories! Besides her stellar grade point, she is a senior and Honor Student in the department, working on a thesis with Carolyn Brown,

PhD, involving electrophysiologic measures in cochlear implant users. Her leadership activities with the Dance Marathon, UIHC Volunteer Services, and United Way (to name a few), and her service commitment to the Dean's Student Advisory Committee, Women in Science and Engineering (WISE) peer mentoring program, and National Society of Collegiate Scholars (as Co-Vice-President) are only the tip of the iceberg for this promising professional. Congratulations Kristi!

# Iglesias honored as CLAS Fellow



*Paul Abbas (left) congratulates Aquiles Iglesias on being honored as an Alumni Fellow.*

In September 2006, Aquiles Iglesias, a former doctoral student in the department, was honored by the College of Liberal Arts and Sciences (CLAS) as an Alumni Fellow. Each year, up to six CLAS alumni are so honored, a program made possible by funds from the UI Alumni Association Dean's Chair in the Liberal Arts & Sciences. Dr. Iglesias, currently Dean of the Graduate College at Temple University, returned to campus for a productive and enjoyable visit with students and faculty. He provided us with insight to his very active research program in a public lecture titled "Heterogeneity of English Language Learners." It was great to welcome Aquiles and his wife, Ana Maria, back to campus.

## call for photos, memorabilia and more

As we prepare for the Anniversary & Reunion Celebration, we are seeking contributions from you. Your input -- as described below -- may be mailed to the address on page 2 or Emailed as indicated.

**Old photos, anecdotes, legends and/or lore** are being collected by Ruth Benter (ruth-bentler@uiowa.edu). Photos can be submitted in hard copy or electronic format and will be returned to the sender as requested.

**Call for Awards:** An earlier tradition in the department involved identifying students, faculty, and staff who are deserving of recognition for some activity or effort. Please help us retrieve examples of these worthy awards (awardees optional) and send nominations for similar awards and recognition to be presented at the 2007 Anniversary & Reunion. Previous awards have included: Cloak of Clinical Incompetence; Golden Tassel Award; Bruce Clark Instrumentation Award; Jock of the Year; Wild and Crazy Guy; "Duffer Classic" Longest Putt Award; and others. Send them to Rich Tyler (rich-tyler@uiowa.edu).

**Call for Talent:** The annual Talent Show was a departmental tradition until the mid 1970's when more stringent Truth-In-Advertising regulations and less stringent admissions policies required it be re-named the Variety Show. Nevertheless, the show will go on Friday evening during the Anniversary & Reunion celebration! We are soliciting acts for the show which has in the past included musical groups, and short skits depicting great moments in science or local history. Please submit the name of your show and how much time you prefer. Spotlights, microphones and screaming crowds will be provided, and any other special equipment needs can be arranged. Contact Mike Karnell (michael-karnell@uiowa.edu) or Sandie Bass-Ringdahl (sandie-bass-ringdahl@uiowa.edu) with your Awards and Talent ideas.

**Call for Scientific Presentations:** As part of the weekend we also plan to have a session of scientific presentations as well as talks describing particular memories about individuals, incidents or whatever you wish. Summaries of research, how the research fits into a historical context, or simply reminiscences about the department or individuals are all welcome. Paul Abbas (paul-abbas@uiowa.edu) and Carolyn Brown (carolyn-brown@uiowa.edu) are organizing the program of presentations. Please send them ideas for this session or to volunteer to present.

# THE UNIVERSITY OF IOWA

Department of Speech Pathology and Audiology  
Wendell Johnson Speech and Hearing Center  
Iowa City, IA 52242

## connections

In addition to the excitement of the 50th anniversary celebration, we're continually interested in keeping the communication channel open between our alumni, friends and former faculty of the Department to our current students, faculty and staff. We hope you will read, enjoy and respond to this newsletter. We also encourage you to visit the department website [www.shc.uiowa.edu](http://www.shc.uiowa.edu) for updates on your former colleagues and current Departmental news. If you have not already done so, consider returning the completed form below to us via mail or FAX 319 /335-8851. You may also Email [speech-path-aud@uiowa.edu](mailto:speech-path-aud@uiowa.edu), using "my news" as a subject line. We'd enjoy hearing from you!

## keep in touch

Name \_\_\_\_\_

Degree / year earned \_\_\_\_\_

Current job \_\_\_\_\_

Your news \_\_\_\_\_

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Feel free to share my news in future newsletters and on the SHC website.