Dr. Larry Barnes– Communication Disorders

Current Projects
Stuttering research – single subject design examining effects of breathing techniques (valsalva) on fluency shaping.

Future Research Interests
Cognitive rehabilitation – multi-subject design examining the effects of software tasking and long term effects on cognitive functioning (memory, attending, planning, etc.)

Dr. Michelle Bartlett – SES

Current projects
College Students and Physical Activity
Motivating Women for Physical Activity in the Workplace
Exercise & Mood/Cognitive Function

Research lines
Physical activity promotion and program evaluation
Gossip and team cohesion
Worksite wellness

Dr. Deborah Davenport – Nursing

Finishing up NWTH Nurse Retention Study with data analysis
Finishing up Pedagogical Strategies for Teaching Undergraduate Nursing Research
Planning a simulation study to examine outcomes

Dr. Lisa Davis – Nursing

Current Projects
Bearing witness (the practicing nurse's experience)
Student experience with participation in the classroom

Research Lines
Nursing Education (best teaching/learning practices)
Mind//Body healing
Stress Management
Presence (both in nursing and in faculty)
Integrating reflective practice
Art and healing
Dr. John Lubker – SES

**Current Projects**
- The Curious Dilemma of Exercise Addiction
- College Students and Physical Activity Levels
- Women’s Exercise in the Workplace

**Research Lines**
- Professional Issues in Sport & Exercise Psychology
- Factors Influencing Service Provision
- First Impression Formation
- Student-Athlete Adjustment to College
- Retirement/Transitions in Sport
- Supervision Issues
- Ethical Issues

Dr. Adam Parker – SES

**Current Projects**
- Effects of phosphatidylserine on mood, cognitive function and endocrine response following a bout of intensity resistance exercise

- Effects of training status and creative supplementation on recovery of muscle metabolites following a 30 second bout of isokinetic exercise

**Research Lines**
- Sports Nutrition
- Strength and Conditioning
- Endurance Running Injuries

Dr. Angela Phillips – Nursing

Research with the Geriatric Division within the School of Medicine at Texas Tech University.

- Expanding the Academic Health Center research endeavors due to the aging population changes in the Texas Panhandle.

There are several studies if the RFP is passed is:
- The prevalence, incidence, and risks of Bisphosphonate-Related Osteonecrosis of the Jaw in the Texas Panhandle Service Area.
Dr. Heidi Taylor – Nursing

Current Projects
Self-Efficacy and Resilience Among Baccalaureate Nursing Students (co-investigator with Helen Reyes)
Nurse Retention Study, NWTHS (co-investigator with Deborah Davenport)
Dust Bowl Health Care

Research Lines
History of Nursing in Texas Panhandle
Learning Outcomes Research
Complexity Science

Dr. Howard Wilson – Communication Disorders
Continue with research related to prevention of child and adult communication disorders.

  Health Literacy, especially readability of public information available on communication disorders.

Begun research on clinical supervision.

Dr. Les Dalton – Communication Disorders
1. An NIH Grant has been submitted ($350,000.00) to study the bottom-up/top-down neural biomarkers of the auditory system. This project uses the same stimulus for behavioral and electrophysical data collection and may prove to be of diagnostic significance in the objective measures of central disorders such as autism (See number two).

2. An NIH Grant submission in conjunction with the Nursing Department on hearing testing of newborns before hospital discharge is in prep. Contact with TAMUK and TAMIU has been made in an attempt to broaden the base of the study but will not deter the submission if they do not follow up on the invitation. The purpose of this study is to use a unique stimulus for brainstem auditory evoked potentials (ABR) to identify lesions not usually detected in a standard infant screening protocol.

3. A response to NIH Grant RFP #PAR-09-056 is in the final stages of prep to be submitted early this year (presubmission paperwork is in progress). The proposal is intended to use tinnitus cancellation techniques developed by this writer that has been shown in research here at WT to cancel actual tinnitus as well as pseudotinnitus in humans. However, while the technique works, the reason it works remains unknown. However, current data provide a basis for an animal model that opens up research possibilities for identifying the site of lesion for tinnitus. The proposal will be submitted in conjunction with the experimental department of the Department of Psychology and will use their animal facilities.

4. This writer has been working to establish a presence with the Amarillo Veteran’s Hospital for nearly a year now with little success. That is about to change. As a result of the news release on our tinnitus research, this writer has been contacted by a representative of the VA regarding joint efforts. A meeting has been scheduled for
January 15, 2010 for discussion. Tinnitus is of major concern to the VA and they have no viable solution to its debilitating effect on returning vets. This can be of major benefit to both the research and clinical operations of WT.

5. The previously mentioned news release additionally has brought on a large number of persons wanting to take part in clinical activities relating to tinnitus. We have received requests for testing from coast to coast and they continue to come in. These persons will be seen as audiology patients and students can gain clinical practice in audiology. We can begin to collect clinical data (note: IRB has already been approved for this project) towards a possible solution to the suffering of tinnitus. These activities will begin very shortly with persons on our own campus being seen first. Facilities and apparatus limit the degree of the project but will not stop it.

6. The 50 years of experience and research of this writer has provided a foundation of procedures, patents, software, and experimental data that are being drawn upon to submit grants on a variety of topics. Among them is the search for a neurological correlate to autism, ADHD, CAPD, dyslexia and other disorders that are diagnosed behaviorally from experiential narrative. Of particular importance to this effort are three existing patents that challenge the integration of the brain to external stimuli with effects measured electrophysiologically as well as behaviorally using the same stimulus.

7. This writer has developed a series of CD-ROMs as an adjunct to the therapy and the classroom that serves as a tool SLP preparation as well. These programs are becoming dated and need revision. This will be an effort that will hopefully assist in teaching students the value of research. Currently he has two students in the thesis program.