

CURRICULUM VITAE

NAME: Robert Francis Burkard

DATE OF BIRTH: 27 March 1953

PLACE OF BIRTH: Buffalo, New York

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EDUCATION

<u>INSTITUTION</u>	<u>DEGREE</u>	<u>DATE</u>
Erie Community College	A.A. (Liberal Arts)	6/73
State Univ. College at Buffalo	B.S. (Com. Dis.)	6/76
Univ. of Wisconsin-Madison	M.S. (Audiology)	8/78
Univ. of Wisconsin-Madison	Ph.D. (Audiology)	12/83

WORK EXPERIENCE

2/11-present Research Collaborator, Mayo Clinic in Jacksonville FL

5/06-present Professor and Chair, Department of Rehabilitation Science, University at Buffalo

5/06-present Director, Rehabilitation Science Ph.D. program

3/04-5/06 Adjunct Professor, Department of Rehabilitation Science, University at Buffalo

9/99-present Professor, Department of Otolaryngology, School of Medicine & Biomedical Sciences, University at Buffalo.

9/99-2007 Professor, Department of Communication Disorders & Sciences, College of Arts and Sciences, University of Buffalo.

8/97-8/00 Adjunct Associate Professor of Surgery (Otolaryngology), School of Medicine & Dentistry, University of Rochester Medical Center.

9/95-8/99 Associate Professor, Department of Otolaryngology, School of Medicine and Biomedical Sciences, University at Buffalo.

9/95-8/99 Associate Professor, Department of Communication Disorders & Sciences, College of Arts and Sciences, University of Buffalo.

9/91-6/95 Associate Professor of Audiology, with tenure, Dept. of Communication Disorders, Boston University.

3/91-9/95 Special Scientific Staff, Department of Otolaryngology, Boston University Medical Center.

3/91-9/95 Special Scientific Staff, Division of Surgery, Department of Otolaryngology, Boston City Hospital.

9/85-8/91 Assistant Professor of Audiology, Dept. of Communication Disorders, Boston University. Responsibilities included the development of an active research program in auditory evoked potentials, and teaching graduate courses in Audiology.

1/87-6/87 Consultant, North Shore Children's Hospital, Salem, MA. Responsible for program development and personnel training for a pediatric auditory evoked potential program.

6/86-8/86 Consultant, Project Phoenix, Madison, WI. Responsibilities included the evaluation of research protocols involving real-ear measurements and human auditory evoked potentials.

2/85-8/85 Post-Doctoral Fellow with Nobuo Suga, Ph.D. This individual NIH post-doctoral fellowship involved studying the spatial selectivity of neurons in the auditory cortex of the little brown bat (Myotis lucifugus).

2/84-1/85 Post-Doctoral Fellow with Nobuo Suga, Ph.D. This institutional post-doctoral award involved training in single-unit electrophysiology of the auditory system of echolocating bats.

9/83-1/84 Post-Doctoral Fellow with Chi-Ming Huang, Ph.D. This work involved evaluation of the anatomy and electrophysiology of the auditory cerebellum of the cat.

9/79-8/83 Project Assistantship under Kurt E. Hecox, M.D., Ph.D. Responsibilities included the development of a laboratory for the collection of auditory and somatosensory evoked potentials.

10/78-10/79 V. A. Traineeship in Audiology at the Middleton Memorial Veteran's Administration Hospital, Madison, WI. Responsibilities included audiologic site-of-lesion testing, counseling and recommendations for auditory rehabilitation for a predominantly geriatric population.

9/77-7/78 Project Assistantship under Robert Goldstein, Ph.D. Responsibilities included the collection and analysis of middle-latency auditory evoked potentials.

CLINICAL AFFILIATIONS

Certificate of Clinical Competence in Audiology, American Speech- Language and Hearing Association (1980)

PROFESSIONAL AFFILIATIONS

Member, American Speech-Language and Hearing Association

Member, Acoustical Society of America

Member, Association for Research in Otolaryngology

Member, American Auditory Society

Member, International Electric Response Audiometry Study Group

Member, Sigma Xi (2004- 2013)

HONORS

Fellow, American Speech-Language-Hearing Association (2005)

Recognition Award, International Evoked Response Audiometry Study Group, June 2011

Honors, American Speech-Language-Hearing Association, November 18, 2011

EDUCATIONAL PROJECTS

Master's Project "Acoustic-Reflex Dynamics in Children with Spastic Cerebral Palsy", under the direction of Terry Wiley, Ph.D., Professor, Dept. of Communicative Disorders, University of Wisconsin-Madison.

Doctoral Dissertation "Far-Field Electrophysiologic Manifestations of Auditory Masking", under the direction of Kurt Hecox, M.D., Ph.D., Associate Professor, Dept. of Neurology, University of Wisconsin- Madison.

COURSES TAUGHT

Hearing Science I (Fall, 1986-1987; Fall, 1988-1989; Fall, 1993-1994) A review of acoustics, instrumentation, standards and calibration procedures.

Hearing Science II (Spring, 1986-1987; Fall, 1991-1992; Fall 1994-1995) A lecture and laboratory course in basic electronics.

Pathologies of the Ear (Spring, 1985-1986; Spring, 1987-1988) A comprehensive examination of diseases affecting the auditory system and the audiologic manifestations of these pathologies.

Sensory Aids for the Deaf (Spring 1986-1987) A survey of devices used by the severely hearing impaired, with an emphasis on tactile aids and cochlear implants.

Auditory Evoked Potentials I (Fall, 1985-1986; Fall, 1987-1988; Fall 1989-1990; Fall 1992-1993; Fall 1994-1995) Topics include principles of signal averaging, measurement of acoustic transients and normative aspects of auditory evoked potentials. This course surveys electrocochleography, brainstem auditory evoked potentials, middle latency, long latency and endogenous evoked potentials.

Auditory Evoked Potentials II (Spring, 1985-1986, Spring, 1987-1988) This course evaluates the use of auditory evoked potentials in clinical populations. The effects of maturation, auditory pathology and brainstem pathology are evaluated. Visual and somatosensory evoked potentials are reviewed.

Biophysics of the Hearing Mechanism (Fall, 1985-1986; Fall, 1986-1987; Fall, 1990-1991; Spring, 1994-1995) This course surveys the anatomy and physiology of the auditory system from pinna to auditory cortex.

Neuroanatomy and Neurophysiology (Fall, 1987-1988; Fall, 1988-1989; Fall 1989-1990; Fall 1990-1991; Fall 1991-1992; Fall, 1992-1993) An overview of neuroanatomy and neurophysiology for graduate speech pathology students.

Applied Physics of Sound (Fall, 1995-1996; Fall 1996-1997; Fall 1997- 1998; Fall 1998-1999) An introduction to acoustics for undergraduate students in Communication Disorders.

Disorders of Hearing (Spring, 1995-1996) An introductory undergraduate course in Audiology.

Auditory Evoked Potentials (Spring, 1996-1997; Fall 1998-1999; Fall 1999-2000, Spring 2000-2001) An overview of auditory, visual, somatosensory and vestibular evoked potentials. Auditory evoked potentials ranging from EcochG to endogenous evoked potentials are covered.

Instrumentation & Acoustics (Fall, 1997-1998; Fall 1999-2000; Fall 2000-2001; Fall, 2001-2002; Fall 2003-2004; Fall 2004-2005; Fall 2005-2006) A graduate course, part lecture and part laboratory, dealing with acoustics, instrumentation, introduction to electronics and audiometric calibration.

Audiology Grand Rounds (Spring, 1997-1998) A graduate course in which speakers review topic areas concerned with clinical audiology, or review interesting audiologic case studies

Pathologies of the Ear (Spring, 1997-1998) Co-Taught with R. Salvi. In my portion of this course, I lectured on the various systemic diseases that can lead to disorders of hearing.