

J. ANTHONY SEIKEL

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EDUCATION

**Ph.D. Speech & Hearing Science, University of Kansas, Lawrence, KS, 1988
M.A. Speech Pathology, Wichita State University, Wichita, KS 1981
B.S. Speech & Hearing, Phillips University, Enid, OK, 1979**

PROFESSIONAL CREDENTIALS

**Certificate of Clinical Competence in Speech-Language-Pathology: American
Speech-Language-Hearing Association, 1982
Certificate of Practice, State of Washington, 1997-1998
Certificate for practice, Deep Pharyngeal Neuromuscular Stimulation treatment of
dysphagia (August 22-24, 2003)
Certificate of practice, use of EMS-2C Electrical Stimulation Machine for facial
musculature stimulation
Certificate of Practice, Comprehensive Dementia: Medical, legal, assessment and
treatment, and FMP Protocols, August 2004.**

PROFESSIONAL EXPERIENCE

Associate Professor, Idaho State University, Pocatello, ID, 1998 to present. Duties include teaching two courses at graduate and undergraduate level per semester, as well as supervision of graduate student clinicians, research, chairing and membership on departmental committees, and chairing graduate research committees.

Associate Professor, Washington State University, Pullman, WA, 1996 to 1998. Duties include teaching two courses at graduate and undergraduate level per semester, as well as supervision of six to eight student clinicians, research, chairing and membership on departmental committees, chairing graduate research committees, and serving as Undergraduate Coordinator.

Assistant Professor, Washington State University, Pullman, WA, 1988 to 1996: Duties include teaching two courses at graduate and undergraduate level per semester, as well as supervision of six to eight student clinician, research, chairing and membership on departmental committees, and chairing graduate research committees.

Laboratory Manager, Applied Communication Sciences Laboratory, The University of Kansas, Lawrence, KS, 1985-1988: Duties included development and management of the speech and hearing science laboratory facility, coordinating research projects of team members, and calibration of instrumentation.

Teaching Assistant, University of Kansas, Lawrence, KS, 1984-85: Duties included teaching the introductory course for the department and the phonetics lab.

Research Assistant, University of Kansas, Lawrence, KS, 1984-85: Duties included measurement and analysis of data under supervision of John Brandt, Ph.D.
Speech-Language Pathologist, Wyandotte Cooperative in Education, Kansas City, KS, 1981-1984: Duties included screening, assessment, and treatment of children with speech and language deficits in first through twelfth grade settings.

AREAS OF EXPERTISE AND INTEREST

Neurogenic Speech Disorders
Auditory Processing Disorders
Anatomy and Physiology
Speech and Hearing Science
Speech Acoustics
Speech Perception
Speech Pathology
Online and Technology Mediated Instruction

TEACHING EXPERIENCE: 1988 - Present

Washington State University:

Anatomy and Physiology of Speech (SHS 377)
Advanced Speech and Hearing Science (SHS 561)
Auditory Perception (SHS 577)
Cleft Palate (SHS 573)
Clinical Methods in Articulation (SHS 376)
Computers in Speech and Hearing (SHS 482)
Congenital Malformations (SHS 510)
Current Literature in Speech and Hearing (SHS 571)
Diagnostics (SHS 482)
Introduction to Speech-Language Pathology & Audiology (SHS 205)
Master's Research (SHS 702)
Neurology of Speech and Hearing (SHS 479)
Neuromuscular Disorders (SHS 562)
Oral Motor Facilitation (SHS 510)
Oral Motor Techniques (SHS 470)
Software Analysis in Speech and Hearing (SHS 566)
Speech Science (SHS 378)

Master's Projects Chaired, Washington State University

Completed Masters Projects: 53

Eastern Washington University

Computer Technology and Software Evaluation in Communication Disorders (COM-D 498-30)
Software Analysis in Speech and Hearing (COM-D 498-30)
Computers in Speech and Hearing (COM-D 498-32)

Idaho State University:

Developmental Apraxia (part of Continuing Education Course, Fall, 2005)
Craniofacial Anomalies (CSED 632, 2 cr.)
Speech Science (CSED 435, 4 cr.)
Neurological Bases of Communication Disorders (CSED 405, 3 cr.)
Neuropathologies of Language (CSED 629, 3 cr.)
Neurogenics I (CSED 629, 3cr.)
Neurogenics II (CSED 639, 3cr.)
Organic Speech Disorders (CSED 400, 4 cr.)
Disorders of Swallowing (CSED 624, 3 cr.)
Disorders of Swallowing (CSED 624, 2 cr.)
Dysphagia (CSED 624, 1 cr.)
Oromyofunctional Disorders (CSED 691, 1 cr.)
Craniofacial Anomalies (CSED 632, 2cr.)
Auditory Anatomy & Physiology (CSED 645, 2cr.)
Auditory Physiology of Speech and Non-Speech Signals CSED 647, 2 cr.)

PROFESSIONAL ASSOCIATIONS AND CONSULTATIONS

New York Academy of Sciences, Member
Acoustical Society of America: Member
American Auditory Society: Member
American Speech-Language-Hearing Association: Member
Committee on Phonetics Instruction, American Association of Phonetic Sciences, 1990 - 1993: Member
Eastern Washington Professional Education Advisory Board for Educational Staff Associate (ESA), Certification for Communication Disorders Specialist, 1991-1994: Secretary
Inland Chapter, Acoustical Society of America, 1996 to 1998: Secretary
International Society of Phonetic Sciences: Member
M. A. Romski, Ph.D., Language Research Center, Georgia State University, April, 1987: Technical Consultant
Full Member, Academy of Neurologic Communication Disorders and Sciences, 2003-present
Member, ASHA Special Interest Division 2 Neurophysiology and Neurogenic Speech and Language Disorders, 2003 to present
Member, ASHA Special Interest Division 10 Issues in Higher Education, 1998 to present
Member, ASHA Special Interest Division 5 Speech Science and Orofacial Disorders, 1998 to present
Member, ASHA Special Interest Division 6 Hearing and Hearing Disorders-Research and Diagnostics, 1998 to present
Member, Advisory Board, Delmar Publications, 2003 to present
Editorial Consultant, I.E.E.E. Transactions on Biomedical Engineering, 2002 (Manuscript TBME-00373-2002.R1)
Editorial Consultant, BIOSIGNAL 2004 Conference
Editorial Consultant, Elsevier Publishing, 2004
Editorial Consultant, Journal of the Kansas-Language-Hearing Association, 1987
Editorial Consultant, American Journal of Speech-Language Pathology, 1996 - 2002
Editorial Consultant, Language, Speech and Hearing Services in Schools, 1987 - 2002

Editorial Consultant, Little, Brown & Co., 1992

HONORS AND AWARDS

Faculty Excellence Award, Washington State University Spokane, 1995

Member, Sigma Xi Research Society, 1988 - present

Speech-Language-Hearing Graduate Service Award, University of Kansas, 1986; 1988

Speech-Language-Hearing Graduate Research Award, University of Kansas, 1988

Phi Kappa Phi Honor Society, 1987

National Institute for Communicative Disorders and Stroke Traineeship, 1986-1988

Lorene Howard Memorial Award for Outstanding Student in Speech & Hearing, Phillips University, 1979

Sabbatical Award, 2004. Preparation of cadaver specimens and text revision

PUBLICATIONS

Textbooks

Seikel, J. A., King, D. W., & Drumright, D. G. (2005). *Anatomy & Physiology for Speech, Language, and Hearing, 3e*. Clifton Park, NY: Delmar-Thomson Publishing.

Seikel, J. A., Drumright, D. G., & Seikel, P. J. (2004). *Essentials of Anatomy and Physiology for Communication Disorders*. New York: Delmar Publishing.

Seikel, J. A., King, D. W. & Drumright, D. G. (1999). *Anatomy & Physiology for Speech, Language and Hearing, 2e*. San Diego: Singular Publishing Group.

Seikel, J. A., King, D. W., & Drumright, D. G. (2000). *Anatomy & Physiology for Speech, Language and Hearing, 2e*. San Diego: Singular Publishing Group.

Seikel, J. A., King, D. W., & Drumright, D. G. (1997). *Anatomy & Physiology for Speech, Language and Hearing*. San Diego: Singular Publishing Group.

Seikel, J. A., King, D. W. & Drumright, D. G. (1997). *Audiology supplement to Anatomy and Physiology for Speech and Language*. San Diego: Singular Publishing Group.

Chapters

Schow, R. & Seikel, J. A. (2007). Screening for (C)APD. In Musiek, F. & Chermak, G.D. (Eds.) *Handbook of Central Auditory Processing Disorder: From Science to Practice*. Plural Publishing.

Articles

Seikel, J. A. (2004). Acoustical and perceptual characteristics of multiple sclerosis. *Proceedings of the 2nd International Conference on Speech Sciences (ICSS 2004)*. Seoul, Korea: Korean Organization of Speech Sciences.

- Chermak, G. D., Tucker, E., & Seikel, J. A. (2002).** Behavioral characteristics of auditory processing disorder and attention-deficit hyperactivity Disorder: Predominantly Inattentive Type. *Journal of the American Academy of Audiology*, *13*, 332-338.
- Schow, R. L., Seikel, J. A., Chermak, G. D. & Berent, M. (2000).** Central auditory processes and test measures: ASHA 1996 revisited. *American Journal of Audiology*, *9*(6), 63-68.
- Chermak, G. D., Traynham, W. A., Seikel, J. A., & Musiek, F. E. (1998).** Professional Education and assessment practices in central auditory processing. *Journal of the American Academy of Audiology*, *9*(6), 452-65.
- Madison, C. L., Johnson, J. M., Seikel, J. A., Arnold, M., & Schultheis, L. (1998).** Comparative study of the phonology of preschool children prenatally exposed to cocaine and multiple drugs and non-exposed children. *Journal of Communication Disorders*, *31*, 231-244.
- Wicklund, K., Seikel, J. A., Jones, C. J., Dillman, R., Flynn, S., Bond, V., Hipp, E., Neal, H., Murphy, S., Newton, T., Archambault, N., & Zarko, K. (1998).** Fundamental frequency changes in singers and non-singers related to menstruation. *Medical Problems of the Performing Artist*, *13*(3), 100-103.
- Chermak, G. D., Somers, E. K., & Seikel, J. A. (1998).** Behavioral signs of central auditory processing disorder and attention deficit hyperactivity disorder. *Journal of the American Academy of Audiology*, *9*, 78-84.
- Johnson, J. M., Foose, S. M., Rinard, K., & Seikel, J. A. & Madison, C. M. (1997).** Standardized test performance of children with a history of prenatal cocaine exposure. *Journal of Communication Disorders*, *30*, 45-73.
- Emerson, M. F, Crandall, K. K., Seikel, J. A., & Chermak, G. D. (1997).** Observations on use of the SCAN administered in a school setting to identify central auditory processing disorders in children. *Language, Speech & Hearing Services in Schools*, *28*, 43-49.
- Chermak, G. D., Curtis, L., & Seikel, J. A. (1996).** The effectiveness of an interactive hearing conservation program for elementary school children. *Language, Speech, and Hearing Services in Schools*, *27*(1), 29-39.
- Sebold, K. P., Hanson, L. R., Seikel, J. A., Hargrove, P. M., & Chermak, G. D. (1995).** Evidence of voice onset time distinction development in a child with left hemisphere lesion. *Perceptual and Motor Skills*, *81*, 1001-1002.
- Seikel, J. A., Drumright, D. G., Whites, M. M., & Seikel, P. J. (1995).** A "hands-on" approach to speech science. *Computers and Education*, *24*(2), 107-116.
- Chermak, G. D., Styer, S. A., & Seikel, J. A. (1995).** Comparison of the Selective Auditory Attention Test and the SCAN administered to boys with histories of otitis media. *Hearing Journal*, *48*(5), 29-34.

Bacon, G. M., Potter, R. E., & Seikel, J. A. (1992). Auditory comprehension of "yes-no" questions by adult aphasics. *Journal of Communication Disorders*, 25(1).

May, D., Potter, R., Hutchings, D., Graham, S., & Seikel, A. (1992). Predicting post traumatic amnesia patients' performance on specific cognitive tasks. *Journal of Cognitive Rehabilitation*, 10, January-February, 34-37.

Seikel, J. A., Wilcox, K. A., & Davis, J. (1992). Erratum: Motor Neuron Disease: Longitudinal Measures. *Journal of Communication Disorders*, 25, 201-203.

Seikel, J. A., Wilcox, K. A., & Davis, J. D. (1991). Amyotrophic Lateral Sclerosis: Longitudinal segmental durations. *Journal of Communication Disorders*, 24, 393-409.

Seikel, J. A., Wilcox, K. A., & Davis, J. D. (1990). Dysarthria of Motor Neuron Disease: Clinician Judgments of Severity. *Journal of Communication Disorders*, 23(6), 417-431.

Drumright, D. G., Seikel, J. A., & Wilcox, K. A. (1988). Speech signal acquisition and analysis using a microcomputer. *Computer Users in Speech and Hearing*, 4, 23-32.

Letters to the Editor

Chermak, G. D., Tucker, E., & Seikel, J. A. (2002). Response to McFarland and Cacace. *Journal of the American Academy of Audiology*.

Schow, R. L., Seikel, J. A., Chermak, G., Berent, M., & Domitz-Vieira, D. M. (2002). Support for a multiple-factor model of auditory processing. *American Journal of Audiology*, 11.

Emerson, M. F., Crandall, K. K., Seikel, J. A., & Chermak, G. D. (1998). Use of the SCAN to Identify Children at Risk for Central Auditory Processing Disorder: A Reply to Keith. *Language, Speech & Hearing Services in Schools*, 29(2), 118-119.

Emerson, M. F., Crandall, K. K., Seikel, J. A. & Chermak, G. D. (1998). The use of the SCAN to identify Children at Risk for CAPD: Response to Keith (1998). *Language, Speech and Hearing Services in Schools*, 29, 117-119.

Madison, C. L. & Seikel, J. A. (1990). Reliability or difference? A comment on the reliability of the s/z ratio. *Language, Speech, and Hearing Services in Schools*, 21(1), 60.

Materials Selected as Reprints

Chermak, G. D., Curtis, L., & Seikel, J. A. (1996). The effectiveness of an interactive hearing conservation program for elementary school children. *Language, Speech, and Hearing Services in Schools*, 27(1), 29-39. Reprinted in *Curriculum Guide to Prevention*. Rockville Pike, MD: ASHA

Published Instructional Materials

- Seikel, J. A. & Drumright, D. G. (in press). *Electronic Classroom Manager for Anatomy & Physiology for Speech, Language, and Hearing*. Clifton Park, NY: Delmar-Thomson Publishing.
- Drumright, D. G. & Seikel, J. A. (2005). *ANATESSE: Study Guide for Anatomy & Physiology Essentials, V2.0*. New Jersey: Delmar.
- Drumright, D. G. & Seikel, J. A. (2004). *ANATESSE: Study Guide for Anatomy & Physiology Essentials, V1.0*. New Jersey: Delmar.
- Drumright, D. G., Seikel, J. A. & Vaughan, N. (2002). *AUDIN: Software for Instrumentation Instruction in Audiology and Speech-Language Pathology*.
- Drumright, D. G., Seikel, J. A., & King, D. W. (2000). *ANIMA: Software for Anatomy and Physiology of Speech and Language, V2.1*. San Diego: Singular Publishing Group.
- King, D. W., Drumright, D. G. & Seikel, J. A. (1997). *Video Labs for Anatomy and Physiology for Speech and Language*. San Diego: Singular Publishing Group.
- Drumright, D. G., Seikel, J. A., & King, D. W. (1997). *ANIMA: Software for Anatomy and Physiology of Speech and Language*. San Diego: Singular Publishing Group.

Invited Papers

- Seikel, J. A. (2003). Neural Bases of Speech and Hearing. *Perspectives on Speech Science and Orofacial Disorders*, 13(2).

GRANTS

- Seikel, T., Malepeai, B., Brockett, J., Kangas, K., Knudson, S., Longhurst, T., Sorensen, D., Swain, M., & Whitaker, M. (2006). Asynchronous Preprofessional Track in Speech-Language Pathology and Audiology: Year 3. Proposal submitted to ISU Technology Incentive Grants. (3rd year: \$76,508; funded)
- Seikel, J. A. (2005). The effects of Deep Pharyngeal Neuromuscular Stimulation (DPNS) on Pharyngeal Stage Dysphagia in Stroke Patients. Grant proposal to the Faculty Research Committee. (\$5,000: funded)
- Seikel, J. A., Malepeai, B., Brockett, J., Sorensen, D., Longhurst, T. M, Whitaker, M. (2005). Proposal to Develop an Asynchronous Pre-Professional Track in Speech-Language Pathology and Audiology. Idaho State University Technology Incentive Grants, \$33, 914. Funded

Seikel, J. A. & Sorensen, D. (2004). Development of the Idaho State University Center for Research in Health Professions (CRHP). Proposal for Federal Legislative Initiative, Idaho State University (\$1,626,787: Accepted but not funded).

Seikel, J. A., Malepeai, B., Brockett, J., Sorensen, D., Longhurst, T. M., Whitaker, M. (2004). Proposal to Develop an Asynchronous Pre-Professional Track in Speech-Language Pathology and Audiology. Idaho State University Technology Incentive Grants, \$39,500. Funded

Project SIMPLE: Affiliate site for software testing of Virtual Clients in Neurogenics. Grant from Fund for Improvement of Postsecondary Education.

Seikel, J. A. (2004). Proposal to Develop an Asynchronous Pre-Professional Track in Speech-Language Pathology and Audiology. Idaho State University Technology Mediated Instruction Grants, \$4522. Funded

Vaughan, N. & Seikel, J. A. (1997-2002). Virtual audiometric instrumentation: Interactive software for graduate and undergraduate instruction. Department of Education: Fund for the Improvement of Postsecondary Education (FIPSE), (3 year: \$254,376).

Seikel, J. A. & Inglebret, E. (1997-2000). Cultural interfacing: Preparation of personnel to work with Native Americans. U.S. Dept. of Education, (3 year; first year \$173,006).

Johnson, J. M., Seikel, J. A. & Madison, C. M. (1995-1997). Language Patterns: Children prenatally exposed to cocaine. National Institutes of Health: National Institute on Drug Abuse, (2 years, \$143,296).

Johnson, J. M., Seikel, J. A., & Madison, C. M. (1994-1995). A longitudinal analysis of the language patterns of children prenatally exposed to multiple drugs including cocaine. Alcoholism & Drug Abuse Program, Washington State University, (\$25,000).

Johnson, J. M., Seikel, J. A., & Madison, C. M. (1992-1993). Passive exposure to multiple drugs including cocaine: Effects on the Speech and Language Development of Preschoolers. Alcoholism & Drug Abuse Program, Washington State University, (\$17,795).

Seikel, J. A., Drumright, D. G., Madison, C. L., & Stevens, P. J. (1992-1993). Intraoral Pressure Variations: The Palatal Microphone. National Institutes of Health, Biomedical Research Technology, (\$49,562).

Seikel, J. A. (1991-1992). Multiple Sclerosis: Prediction of Disease Course from Speech. Washington State University Research Grant-In-Aid Program, (\$7559).

Johnson, J. M., Seikel, J. A., & Madison, C. M. (1990-1991). A developmental study of the effect of passive exposure to cocaine in utero on the speech and language skills of preschoolers. Alcoholism & Drug Abuse Program, Washington State University, (\$24,496).

Seikel, J. A. (1990). Development of Multiple Simultaneous Oral Pressure Measurements. Initiation Grant, Division of Humanities & Social Sciences, Washington State University, (\$500).

Seikel, J. A. (1990-1992). Project to Enhance Graduate and Undergraduate Education in Speech and Hearing Sciences. Department of Education: Fund for the Improvement of Postsecondary Education (FIPSE), (\$93,234).

Seikel, J. A. & Potter, R. E. (1990). Development of laboratory facilities for the Department of Speech and Hearing Sciences. Washington State University Lab Builder Program, (\$12,000).

UNFUNDED PROPOSALS

Wiggins, C., Woodhouse, B., Francis, C., Howlett, B., McAleese, W., Whitaker, M., Boyd, L., Celluci, A., Ybarguen, J., Howell, D., Devine, N., McLaughlin, D., Seikel, T., (2006). One student at a time: A proposal to deliver Introduction to Health Professions to Idaho Health Professions to Idaho High Schools. Submitted to the ISU Technology Incentive Grant (1 year: \$62,791; in review).

Seikel, J. A., Humphrey, R., Burke, R., Cleary, K., Howell, D., & Sorensen, D. (2005). Problem Based Learning for Interdisciplinary Knowledge (2004). Grant proposal submitted to Health Resources and Services Administration (HRSA), Health Education and Training Centers, CFDA No. 93.181 (3 years, \$477,685: Not funded).

Seikel, J. A. (2003). Growing Your Own: A Long-Term Solution to a Chronic Instructional Problem. Fund for Improvement of Postsecondary Education (FIPSE), \$206,629, 3 year. Denied.

Thirty-two additional grant proposals totaling \$1,357,698 in requests were submitted but denied funding.

PRESENTATIONS

Refereed Papers and Miniseminars

Burbank, E., Seikel, J. & Burke, R. (2006). The perception of umami in non-pathological individuals. Poster presented at the Annual Convention of the American Speech-Language Hearing Association, Miami, FL.

Wassink, K., Seikel, J., Sorensen, D., Konstantopoulos, K., & Mitsikostas, D. (2006). Fundamental frequency and diadochokinetic jitter in multiple sclerosis. Poster presented at the Annual Convention of the American Speech-Language Hearing Association, Miami, FL.

- Burke, R. & Seikel, J. A. (2006). New horizons in dysphagia treatment: Advanced treatment approaches. Presented at the Annual Convention of the Idaho Speech and Hearing Association, March 2.**
- Seikel, J. A. & Burke, R. (2006). Advanced direct treatment of motor speech disorders. Presented at the Annual Convention of the Idaho Speech and Hearing Association, March 2.**
- Smith, S., Seikel, J. A., & Norton, G. (2005). Prosodic imitation by young children with cochlear implants. Presentation at the Annual Convention of the American Speech-Language Hearing Association, San Diego, CA.**
- Lewis, J., Seikel, J. A., Weston, A. (2004). Metronome pacing in children with developmental apraxia of speech (DAOS). Encore Presentation at the 16th Annual Kasiska College of Health Professions Research Day.**
- Romriell, A., Seikel, J. A. & Schow, R. (2005) Auditory Processing In Those Diagnosed with Multiple Sclerosis and Those Not Diagnosed with Multiple Sclerosis as Measured by the Multiple Auditory Processing Assessment (MAPA). Encore Presentation at the 16th Annual Kasiska College of Health Professions Research Day.**
- Swan, L., Seikel, J. A., & Sorensen, D. (2005). Language differences in persons with multiple sclerosis when compared to controls. Encore Presentation at the 16th Annual Kasiska College of Health Professions Research Day.**
- Lewis, J., Seikel, J. A., Weston, A. (2004). Metronome pacing in children with developmental apraxia of speech (DAOS). Presentation at the Annual Convention of the American Speech-Language Hearing Association, Philadelphia, PA.**
- Romriell, A., Seikel, J. A. & Schow, R. (2004). Auditory Processing In Those Diagnosed with Multiple Sclerosis and Those Not Diagnosed with Multiple Sclerosis as Measured by the Multiple Auditory Processing Assessment (MAPA). Presentation at the Annual Convention of the American Speech-Language Hearing Association, Philadelphia, PA.**
- Swan, L., Seikel, J. A., & Sorensen, D. (2004). Language differences in persons with multiple sclerosis when compared to controls. Presentation at the Annual Convention of the American Speech-Language Hearing Association, Philadelphia, PA.**
- Blanchard, E., Drumright, D, Nye, J, Vaughan, N, Seikel, J, Brandt, J.F., Decker, T. Newell, Whites, M, Shellum, R., Bishop, R., Brockett. J. (2002). AUDIN: Virtual Audiometric Instrumentation. Poster presented at the Annual Convention of the American Speech-Language Hearing Association, Atlanta, GA.**

- Seikel, J. A. & Jones, C. J. (2002). From Hand To Mouth: A Hands-on Workshop for Oral Motor Facilitation. Presentation to Southeastern Idaho Speech-Language-Hearing Association, February, Pocatello, ID.**
- Chermak, G. D., Tucer, E., & Seikel, J. A. (2001). Differentiating auditory processing disorder & ADHD-Predominantly Inattentive subtype. Poster presented at the Annual Convention of the American Speech-Language Hearing Association, New Orleans, LA.**
- Seikel, J. A., Vaughan, N. & Drumright, D. G. (2001). Virtual Audiometric Instrumentation: Software for Instruction in Audiology. Poster presented at the Annual Convention of the American Speech-Language Hearing Association, New Orleans, LA.**
- Shumway, S. & Seikel, J. A. (2001). Speech in multiple sclerosis: Perception of exacerbation. Poster presented at the Annual Convention of the American Speech-Language Hearing Association, New Orleans, LA.**
- Schow, R., Seikel, J. A., & Jones, C. J. (2001). CAPD: New Ideas, New Methods. Presentation to Idaho Speech-Language-Hearing Association, April 20, Boise, ID.**
- Seikel, J. A. & Jones, C. J. (2001). From Hand To Mouth: A Hands-on Workshop for Oral Motor Facilitation. Presentation to Idaho Speech-Language-Hearing Association, April 21, Boise, ID.**
- Seikel, J. A., Vaughan, N. E. & Drumright, D. G. (2000). Virtual Audiometric Instrumentation for Graduate and Undergraduate Instruction. Poster presentation at the annual convention of the American Speech-Language-Hearing Association, Washington, D. C.**
- Seikel, J. A. & Jones, C. (2000). Developmental Apraxia: Assessment and Treatment. Presentation at the Annual Convention of the Idaho Speech, Language and Hearing Association, Post Falls, ID.**
- Seikel, J. A. & Jones, C. (2000). Apraxia/Oral Motor troubleshooting of cases. Presentation at the Annual Convention of the Idaho Speech, Language and Hearing Association, Post Falls, ID.**
- Seikel, J. A., Vaughan, N. E., & Drumright, D. G. (1999). Virtual Audiometric Instrumentation for Graduate and Undergraduate Instruction. Poster presentation at the annual convention of the American Speech-Language-Hearing Association, San Francisco.**
- Vaughan, N. E., Seikel, J. A. & Drumright, D. G. (1999). Virtual Audiometric Instrumentation for Graduate and Undergraduate Instruction. Submitted for presentation at the annual convention of the American Auditory Society**

- Seikel, J. A., Jones, C., Adamczewski, M., Croy, J., Nicolaus, R., Manary, S., Young, M., Patterson, L., Kelly, K., Boyden, A., Woodman, N., Emerson, S., Petersen, B., Hankins, J., Kalla, K., Madison, C. L., Cooke, N. R., & Brondos, C. (1998). Multiple consonant release bursts in multiple sclerosis. Poster presented at the annual convention of the American Speech-Language-Hearing Association, San Antonio, Tx.**
- Inglebret, E., Seikel, J. A., Finley, S., & Stone, M. (1998). Cultural interfacing: Perparation of personnel to work with Native Americans. Poster presented at the annual convention of the American Speech-Language-Hearing Association, San Antonio, Tx.**
- Stone, M., Inglebret, E., Seikel, J. A., Johnson, J. M., Jones, C., & Hart, M. (1998). Clinical supervision: Bringing collaboration into focus. Miniseminar presented at the annual convention of the American Speech-Language-Hearing Association, San Antonio, Tx.**
- Inglebret, E., Seikel, J. A., Johnson, J. M., Jones, C., & Hart, M. (1997). Empowerment Evaluation: Application within a university training program. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Boston, MA.**
- Johnson, J.M., Seikel, J.A., & Madison, C.M. (1997). Prenatal drug exposure and communication development. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Boston, MA.**
- Sanderson, K., Paulk, J., Dodge, G., Stephens, S., Jones, C., Dempsey, R., Ross, K., Muhlfeld, A., Lall, D., Freeman, J., Croy, J., Seikel, J. A., Madison, C., Cooke, N. R., & Brondos, C. (1997). Multiple sclerosis: Presence of multiple consonant release bursts. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Boston.**
- Seikel, J. A. (1997). The roots of oral motor therapy. Paper presented at the annual convention of the Washington Speech-Language-Hearing Association, Tumwater, WA.**
- Jones, C., Wicklund, K., Dillman, R., Flynn, S., Bond, V., Hipp, E., Neal, H., Murphy, S., Newton, Seikel, J., Archambault, N., & Zarko, K. (1996). Fundamental frequency changes in singers and non-singers related to menstruation. Presented at the annual convention of the American Speech-Language-Hearing Association, Seattle, WA.**
- Johnson, J. M., Beattie, D., Rettig, S., Seikel, J. A., & Madison, C. L. (1996). Prenatal cocaine exposure: Longitudinal changes in VOT and vowel duration. Presented at the annual convention of the American Speech-Language-Hearing Association, Seattle, WA.**

- Konstantopoulos, K., Seikel, J. A., Madison, C. L., Cooke, N. R., & Brondos, C. (1996).** Vowel formant changes in multiple sclerosis. Presented at the annual convention of the American Speech-Language-Hearing Association, Seattle, WA.
- Madison, C., Arnold, M., Johnson, J., Seikel, J. A., & Schultheis, L. (1996).** Phonological development of children prenatally exposed to cocaine. Presented at the annual convention of the American Speech-Language-Hearing Association, Seattle, WA.
- Seikel, J. A., Richardson, M. L., Dillman, R. A., Klaweno, S. L., Holmes, K. L., Murphy, S. D., St. Hilaire Murphy, S. M., Neal, H. L., Newton, T. G., Wilson, N. D., Madison, C. L., Cooke, N. R., & Brondos, C. E. (1995).** Exacerbation in multiple sclerosis: Effect on Formant Frequencies. Presented at the annual convention of the American Speech-Language-Hearing Association, Orlando, FL.
- Seikel, J. A., Somers, E. K., & Chermak, G. D. (1996).** Behavioral Signs of Central Auditory Processing Disorder and Attention Deficit Hyperactivity Disorder. Poster presentation at the annual convention of the American Academy of Audiology, Salt Lake City, UT.
- Johnson, J. M., Rinard, K., Krkovich, C., Seikel, J. A., & Madison, C. L. (1994).** Language performance and polydrug exposure: An 18 month follow-up. Presented at the annual convention of the American Speech-Language-Hearing Association, New Orleans, LA.
- Sawyer, K. E., Seikel, J. A., Madison, C. L., Drumright, D. G., Russell, M. M., Cooke, R. N., & Brondos, C. E. (1994).** Perception of exacerbation in multiple sclerosis. Presented at the annual convention of the American Speech-Language-Hearing Association, New Orleans, LA.
- Seikel, J. A., Goff, D. M., Stanton, A. G., Tang, P. T., Madison, C. L., Drumright, D. G., Cooke, R. N., & Brondos, C. E. (1994).** Exacerbation in multiple sclerosis: Segmental duration in diadochokinesis. Presented at the annual convention of the American Speech-Language-Hearing Association, New Orleans, LA.
- Chermak, G. J., Curtis, L., & Seikel, J. A. (1993).** The effectiveness of a hearing conservation program for elementary school children. Presented at the Annual Convention of the American Academy of Audiology.
- Johnson, J. M., Bredin, S., Seikel, J. A., & Madison, C. L. (1993).** Play patterns: Children prenatally exposed to multiple drugs including cocaine. Poster presented at the Annual Convention of the American Speech-Language-hearing Association, Anaheim, CA.
- Peterson, C. S., Madison, C. L., Seikel, J. A., & Stevens, P. J. (1993).** Effects of two types of palatal prostheses on perceived nasality. Presented at the Annual Convention of the American Speech-Language-hearing Association, Anaheim, CA.
- Seikel, J. A., Madison, C. L., Drumright, D. G., Russell, M., Cooke, N. R., & Brondos, C. E. (1993).** Speech changes during exacerbation in multiple sclerosis. Presented at the 125th Convention of the Acoustical Society of America, Ottawa, Ontario, Canada.

- Chermak, G. D., O'Neill, S. A., & Seikel, J. A. (1992). Criterion validity of the Selective Auditory Attention Test. Presented at the annual convention of the American Speech-Language-Hearing Association, San Antonio, TX.**
- Jensen, K. R., Madison, C. L., Seikel, J. A., & Stevens, P.J. (1992). The effects on speech of two types of palatal prosthesis. Presented at the annual convention of the American Speech-Language-Hearing Association, San Antonio, TX.**
- Johnson, J. J., Foose, F., Seikel, J. A., & Madison, C. L. (1992). Language of 24 preschoolers exhibiting cocaine intoxication at birth. Presented at the annual convention of the American Speech-Language-Hearing Association, San Antonio, TX.**
- Johnson, J. J., Gettles, K., Seikel, J. A., & Madison, C. L. (1992). Language characteristics of children prenatally exposed to multiple drugs including cocaine. Presented at the annual convention of the American Speech-Language-Hearing Association, San Antonio, TX.**
- Johnson, J., Seikel, J., & Madison, C. (1992). The effect of passive exposure in utero to multiple drugs on language development of toddlers. Presented at the biennial International Conference on Infant Studies, Miami Beach, FL.**
- Seikel, J. A. (1992). Training in speech science and phonetics: Preparing for the future. Refereed Miniseminar presented at the annual convention of the American Speech-Language-Hearing Association, San Antonio, TX.**
- Seikel, J. A., & Drumright, D. G. (1992). Project Oracle: Software for training in speech science. Presented at the 123rd Meeting of the Acoustical Society of America, Salt Lake City, UT.**
- Seikel, J. A., Drumright, D. G., Whites, M., Lavoie, G., & Kammermeier, M. (1991). Speech science and clinical practice: Bridging the gap. Presented at annual convention of the American Speech-Language-Hearing Association, Atlanta, GA.**
- Seikel, J. A., & Emerson, M. F. (1991). Chronic otitis media and auditory processing: Results using the SCAN. Presented at the annual convention of the American Speech-Language-Hearing Association, Atlanta, GA.**
- Seikel, J. A., Drumright, D. G., & Politte, D. (1990). Project Oracle: Integrating Speech Science with the clinical process. Presented at the annual convention of the American Speech-Language-Hearing Association, Seattle, WA.**
- Seikel, J. A., Madison, C. L., & Stevens, P. (1990). Acoustic spectral measurements in patients with osseointegrated implants. Presented at the annual convention of the American Speech-Language-Hearing Association, Seattle, WA.**
- Wilcox, K. A., Seikel, J. A., & Drumright, D. G. (1990). Point variability in intraoral pressure. Presented at the Spring, 1990 meeting of the Acoustical Society of America, State College, PA.**

Seikel, J. A., Brandt, J. F., & Ferraro, J. A. (1989). Chronic otitis media: Effects on ABR and Late Cortical Responses. Presented at the annual convention of the American Speech-Language-Hearing Association, St. Louis, MO.

Seikel, J. A., Wilcox, K. A., Davis, J., & Haight, P. L. (1988). Dysarthria of amyotrophic lateral sclerosis: Clinician judgments of severity. Presented at the annual convention of the American Speech-Language-Hearing Association, Boston, MA.

Drumright, D. G., Seikel, J. A., & Wilcox, K. A. (1987). Vocal jitter and shimmer measurements with a personal computer. Presented at the spring meeting of the Acoustical Society of America, Indianapolis, IN.

Caruso, A. J., Wilcox, K. A., Seikel, J. A., & Haight, P. L. (1986). Acoustic analysis of amyotrophic lateral sclerosis speech. Presented at 111th meeting of the Acoustical Society of America, Cleveland, OH.

Seikel, J. A., Wilcox, K. A., & Drumright, D. G. (1986). Dysarthria of amyotrophic lateral sclerosis: Electroglottographic measures. Presented at the annual meeting of the Kansas Speech-Language-Hearing Association, Hays, KS.

Wilcox, K. A., Seikel, J. A., & Davis, J. (1986). Spectral characteristics of geriatric stop consonant productions. Presented at the annual meeting of the Kansas Speech-Language-Hearing Association, Hays, KS.

Hoyer, E. A., McCroskey, R. D., Devens, J. S., & Seikel, J. A. (1981). Auditory drift: Autokinetic differences between learning disabled and normal subjects. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA.

Invited Presentations

Seikel, J. A. (2006). Keeping the balls in the air. Keynote address to the Annual Kasiska College of Health Professions Research Day.

Seikel, J. A. (2004). Acoustical and perceptual characteristics of multiple sclerosis. Keynote address, International Conference on Speech Sciences, May 21-22, Seoul, South Korea.

Seikel, J. A. (2004). Use of oral motor therapy as intervention in motor speech disorders. Presentation to undergraduate students and professionals at Hallym University in Chunchun, South Korea.

Seikel, J. A. (2004). The status of therapy for dysphagia in the United States. Presentation to graduate students and professionals at Hallym University, Seoul, South Korea.

Workshops

Seikel, J. A. (2001). Resistance devices, Bite Blocks, and Oral Motor Therapy. Inservice presented to Speech-Language Pathologists in Public Schools, Boise, ID., October 26.

Seikel, J. A. (1997). Oral Motor Training and Articulation Function. Invited Workshop, Chelan, WA, April 19.

Seikel, J. A. (1994). Tongue thrust evaluation and treatment. Invited inservice to Speech Therapy, St. Luke's Rehabilitation Center, Spokane, WA.

Seikel, J. A. (1992). Use of technology in voice evaluations and treatment. Invited inservice to Speech Services, Sacred Heart Medical Center, Spokane, WA.

Seikel, J. A. (1989). Microcomputers in speech and hearing: Getting more bang for your buck. Invited presentation to the Washington Speech and Hearing Association convention, Spokane, WA.

SERVICE

University, Washington State University

WSU Grant Proposal Reviewer, Alcoholism and Drug Abuse Program, 1993
Member, WSU College Research Advisory Committee, 1993 - present
Member, Washington State University Faculty Senate, 1992-1993; 1996 to present
Member, WSU Conduct Board, Office of Student Affairs, 1990-1993
Member, WSU Conferences and Institutes Search Committee, 1991
Member, WSU Advisory Committee for Holland/New Library, 1995
Member, WSU Recruitment/Enrollment and Scholarship Committee, 1998 to present
Member, WSU Enrollment Management Committee, 1998 to present

Service to the University, Idaho State University

Member, Faculty Senate ad hoc committee for review of the Curriculum Council, 2005
Member, Post-Tenure Review Focus Group, March 4, 1999
Member, International Recruiting and Retention Task Force, 2003 to present
Member, Computer Systems Advisory Committee (CSAC), September 2002 to present
Member, Academic Subcommittee, CSAC, September 2002 to present
Secretary, Computer Systems Advisory Committee (CSAC), September 2003 to present
Member, ISU Curriculum Council, 2002 to 2005.
Coordinator, National Center for Neurogenic Communication Disorders Telerounds, 1998 – 2000
Member, Graduate Faculty, 1999 – present
Member, Academic Subcommittee of Technology Reintegration Group (TRIG)
Secretary, Academic Subcommittee of TRIG

College of Liberal Arts, Washington State University

Member, Grants and Awards Committee, 1993 - 1998

Member, Computer Users Committee, 1990 - 1998
Member, Library Committee, 1989 - 1998
Member, College Research Advisory Committee, 1995 - 1998
Member, Selection Committee, Mullen Distinguished Achievement Award, 1996
Member, Dean's Advisory Committee, 1996
Member, Technology and Computing Facilities Committee, 1996 - 1998
Chair, College Recruitment and Retention Committee, Spring 1998

Kasiska College of Health Professions, Idaho State University

Alternate Member, Kasiska College of Health Professions Promotion and Tenure Committee, 2002-2003
Co-Chair, Kasiska College of Health Professions Research Committee, 2000-2005
Participant, ISU Day in Boise, 2000, 2001
Participant, Graduate Informational, ISU, 2000, 2001, 2002
Participant, Career Chat, Feb. 2001
Guest lecturer, HCA 110, Introduction to Speech Pathology & Audiology, Spring 2001, Fall 2002; Fall 2003
Member, Promotion and Tenure Committee, Jim Creelman, Department of Physical and Occupational Therapy, 2003
Departmental Representative, College Tenure and Promotion Committee, 2003-2005
Member, Promotion and Tenure Committee, Reed Pumphrey, Department of Physical and Occupational Therapy, 2004

Department, Washington State University

Chair, Undergraduate Curriculum Review Committee, 1997
Member, Supervision Renewal Committee, 1997
Member, Search Committee for Clinical Prefector position, University Programs in Communication Disorders, 1996
Chair, Search Committee for Audiology Assistant Professor, 1994
Project Co-Director, WSU Native Americans and Communication Disorders program: A Personnel Training Project (NACD), 1994-1995
Member, NACD Selection Committee, 1993-1994
Chair, Search Committee, Internship Coordinator, 1993
Chair, Search Committee, Speech and Hearing Sciences Internship Program Coordinator, 1992
Chair, Clinic Committee, University Programs in Communication Disorders, 1990 - 1995
Member, Planning Committee, University Programs in Communication Disorders, 1990 - 1998
Member, Research Committee, University Programs in Communication Disorders, 1988 - 1998
Member, Clinic Committee, University Programs in Communication Disorders, 1988-1990.
Liaison, Washington State University Libraries 1988 - 1998
Undergraduate Coordinator, 1997 - 1998

Department, Idaho State University

Member, Decision Center Task Force on Vision Solutions, 1998
Chair, *Ad Hoc* Committee on Faculty Retreat Recommendations, 1998

Member, Comprehensive Examinations Writing Committee, 1998
Member, Ad Hoc Committee on Colloquium Course Revision, 1998
ISU Coordinator, National Center for Neurogenic Communication Disorders Telerounds, 1998 to 2001; 2002-2003
Member, SPA Facilitation Team, 1999 to 2000
Representative, BSU Graduate Recruiting Fair, 2001
Department Chair, Communication Sciences & Disorders, and Education of the Deaf, 1999 - 2002
Representative, ISU Graduate Informational, 2001, 2002
Chair, CSED Recruitment and Retention Committee, 2002 to present
Chair, CSED Comps Committee, 2002
Member, Admissions and Financial Assistance Committee, 2002 to present
Member, ASHA Assessment Committee, 2002 to present
Member, SLP Curriculum Revision Committee, 2002
Academic Representative, Clinical Faculty Promotion, 2003
Faculty Representative, Academic Faculty Tenure and Promotion Committee, 2003
Chair, SLP Academic Faculty Search Committee, 2003-2004
Chair, SLP Clinical Faculty Search Committee, 2003-2004
Chair, Schedule Committee, 2003-2004
Co-Chair, CSED Assessment Committee, 2004 - 2005
Chair, Workload Implementation Committee, 2004 – 2005
Undergraduate Coordinator, 2004 – 2005
Member, Academic Faculty Search Committee, 2005-2006
Chair, Departmental Academic Promotion and Tenure Committee, 2005-2006
Member, Continuing Education Committee, 2005-2006
Chair, ad hoc committee on Dysphagia course requirements

Service, Community: ISU

Member, Convention Subcommittee, 2005-2006
Archivist, ISHA, 2001 to present
Member, ISHA/ASHA Workforce Shortage Committee, 2005 - 2007
Presentation, Local Chapter M.S. Society, September, 2000
Presentation, Developmental Apraxia of Speech, Pocatello Consortium, October, 2000
Consultation, Pediatric Dysarthria, Collester Elementary School, Boise, ID, June
Consultation, Pediatric Dysarthria, Roosevelt School, Pocatello, ID, February, 2000
Consultation, Pediatric Dysarthria, Collister Elementary School, Boise, ID, February, 1999
Consultation, Developmental Apraxia, Human Development Center, 1998
Children's Fair Hearing Screenings, 1998
Participant, Pocatello School District #25 Challenges Field Trip to Speech Pathology & Audiology, Feb. 4 & 5, 1999.
Headstart Speech-language Screening Supervisor, October 9-10, 2000
Participant, ISU Health Fair, 2001
Case consultant, Whittier School, April 2003
Presentation, Local Chapter M.S. Society, April, 2003

Professional Development

ISHA, 2006

ASHA 1987-2006 (with perhaps a year off for good behavior)

Comprehensive Dementia Workshop, August, 2004

Deep Pharyngeal Neuromuscular Stimulation Workshop, August 2003

American Speech-Language Hearing Association Convention, 1999.

Idaho Speech-Language-Hearing Association Convention, 1999.

American Speech-Language Hearing Association Convention, 2000.

Idaho Speech-Language-Hearing Association Convention, 2000.

American Speech-Language Hearing Association Convention, 2001.

Idaho Speech-Language-Hearing Association Convention, 2001.

Medicare regulatory reform, documentation principles, denials and appeals. National Center for Neurogenic Communication Disorders Telerounds. Sue Curfman, September 16, 1998.

Clinical application of speech acoustic analysis. National Center for Neurogenic Communication Disorders Telerounds. Gary Weismer, October 21, 1998.

Neuroimaging investigations of stuttering. National Center for Neurogenic Communication Disorders Telerounds. Roger Ingham, March 24, 1999.

Oral language strategies. Elinor Kreigsmann (coordinator). Seattle, WA. March 13 & 14, 1998.

Management of Discourse Deficits Associated with Right Hemisphere Damage. San Antonio, TX. Penelope Myers, Nov. 21, 1998.

Multicultural Instruction. Pullman, WA. Michael Pavel, April 8, 1998.

Testing in Fetal Alcohol Syndrome. Pullman, WA. Truman Coggins, April 15, 1998.

Functional Endpoints for aphasia treatment. Spokane, WA. Audrey Holland, October 9, 1998.

Oral motor therapy. Spokane, WA. Sara Rosenthal-Johnson, October 9, 1998.

Looking For Outcomes: AAC and inclusion of children and adults with severe/profound disabilities in school and other settings. Pocatello, ID: Stephen N. Calculator, October 30, 1998.

Oral myofunctional Therapy, Reno, NV: William Zickefoose, July 27-29, 1997.

Diversity in learning styles. Pullman, WA. Michael Pavel, October 28, 1994.

The Non-Verbal Apraxic Child with Hypotonia. Portland, OR. Pamella Marshalla, January 29, 1994.

Enhancing communicative and socioemotional competence in young children with autism and pervasive developmental disorder. Seattle, WA, Barry Prizant August 26-27, 1993.

Facilitated Communication: The good and bad news. Spokane, WA. Nola Marriner, Dec. 5, 1992.