

## CURRICULUM VITAE



**NAME:** Jerry L. Northern, Ph.D.

**CURRENT POSITIONS:** Professor Emeritus  
Department of Otolaryngology, Division of Audiology  
University of Colorado School of Medicine, Denver, Colorado  
  
President, Colorado Hearing Foundation

### EDUCATION:

Colorado College, Colorado Springs, Colorado  
Experimental Psychology, B.A., 1962

Gallaudet University, Washington, D.C.  
Education of Deaf, M.S., 1963

University of Denver, Denver, Colorado  
Audiology-Speech Pathology, M.A., 1964

University of Colorado, Boulder, Colorado  
Audiology, Ph.D., 1966

### MILITARY SERVICE:

U.S. Army Commission, Captain, (1962) Medical Service Corps

Highest Distinguished ROTC Military Graduate, Colorado College, 1962

Brooke Army Medical Center, San Antonio, Texas, 1966-1967

Walter Reed Army Medical Center, Washington, D.C., 1967-1970

### EXPERIENCE:

Director, Professional Services; Director, Pediatric Audiology; Starkey Labs, 2008-2010

Editor, *Audiology Today: Bulletin of the American Academy of Audiology*, 1993- 2008

Editor, Website ([www.audiology.org](http://www.audiology.org)), American Academy of Audiology, 1996- 2008

Vice President, Professional Services, HEARx, Ltd., West Palm Beach, FL, 1996-2004

Adjunct Professor, NOVA Southeastern University: 1994; 2014.

Editor-in-Chief and Founder, *Seminars in Hearing: A Continuing Education Journal*, 1980 -2000

Director, Audiology Services, University of Colorado Hospital, Denver, CO, 1970-1996

Professor, Department of Otolaryngology, University of Colorado School of Medicine, 1980-1996 (Awarded full retirement as Professor Emeritus, July, 1996)

Associate Professor, Department of Otolaryngology & Associate Professor, Department of Pediatrics, University of Colorado School of Medicine, Denver, Colorado, 1974-1979

Assistant Professor, Department of Surgery, University of Colorado School of Medicine, Denver, Colorado, 1970-1974

Acting Executive Director, Center for Hearing, Speech & Language, Denver, Colorado, 1979-1980; Elected to Board of Directors, 1980; President, Board of Directors, 1983-1984; Second Term President, 1988-1989; Marion Downs Center, Board of Directors, 2000 – 2017.

Summer Visiting Professor, Western Washington University, Department of Speech Pathology-Audiology, Bellingham, WA, 1981

Assistant Director, Army Audiology and Speech Center, Walter Reed General Hospital, Washington, D.C., 1967-1970

Lecturer in Audiology, Graduate Department, Gallaudet University, Washington, D.C., 1968-1969;

Chief, Audiology, Brooke General Hospital, Ft. Sam Houston, San Antonio, TX, 1966-67

Veterans Administration Doctoral Trainee in Audiology, VA Medical Center, Denver, CO, 1963-1966

Clinical Audiologist, Office of James R. Tabor, M.D., Denver, CO, 1963-1966

## **HONORS:**

East Denver High School, inducted into Alumni Heritage Hall, 2016.

Colorado Academy of Audiology, Lifetime Achievement Award, 2010

American Academy of Audiology, Honors: Career Award in Hearing, 2003

American Academy of Audiology, President's Distinguished Service Award, 1998, 2006, and 2008

The Colorado College, Louis T. Benezet Alumni Award for Outstanding Career Achievement, 1994

Member, Board of Directors, Marion Downs Hearing Center Foundation, University of Colorado Medical Center, Denver, Colorado, 2000 - 2014.

Certificate of Clinical Competence in Audiology, American Speech-Language-Hearing Association, 1969;

Elected to Fellowship, American Speech & Hearing Association, 1971

American Speech-Language-Hearing Foundation Outstanding Clinical Achievement in Human Communication Sciences & Disorders, (Colorado), 1985

American Medical Association Service Recognition Award for Consultation to the Faculty of Medicine, University of Saigon, Viet Nam, 1973

Medical Advisory Board, American Tinnitus Association, 1978-1997

Advisory Board Member, Hearing Dog International Inc., 1979-1983

President and Founder, Colorado Hearing Foundation, 1975-2014

President, Colorado Speech-Language-Hearing Association, 1987-1989; Awarded Honors of the Association, 1991

Advisory Board Member, Colorado School for the Deaf & Blind (Appointed by Governor Roy Romer), 1987-1989

Project Director, "Screening for Communication Disorders in Children Project"; Principal Investigator for \$600,000 Research Project funded by Robert Wood Johnson Foundation, Princeton, New Jersey, 1983-1987

Scientific Advisory Board, HEAR<sub>x</sub>, Ltd., Teaneck, New Jersey, 1987-1994

President, American Academy of Audiology, 1991-1992; Executive Board Member, 1988-1993; Ex-Officio Board Member, 1993 - 2004

Honorary Editorial Board, New York League for the Hard-of-Hearing, *Hearing Rehabilitation Quarterly*, 1986-1996

Founder and Charter Member, Military Audiology & Speech Pathology Society (MASPS), 1968; Awarded 'Fellow with Honors', 1990

Distinguished Public Service Award, Deafness Research Foundation, New York City, 1969

#### **SCHOLARLY JOURNAL AFFILIATIONS:**

Editor and Publisher, *Audiology Today: Bulletin of the American Academy of Audiology*, American Academy of Audiology, 1993-2000

Founder and Editor-in-Chief, *Seminars in Hearing*, New York: Thieme Medical Publishers, 1980-2000; Founder and Editor-in-Chief, *Seminars in Speech-Language Pathology*, 1980 -1982.

Reviewer, *Journal of Speech & Hearing Disorders*, 1982-1983, 1986, 1991

Reviewer, *Audiology: Journal of Auditory Communication. Official Organ of the International Society of Audiology*, 1985-1986

Section Editor, "Brief Clinical Notes," *Ear & Hearing*, 1985-1992

Editorial Board Member, *American Journal of Otology*, 1979-1997

Editorial Board Member, *Ear, Nose & Throat Journal*, 1995-2000

## **CONVENTION PRESENTATIONS, SCIENTIFIC EXHIBITS, SEMINARS, WORKSHOPS, & OTHER MAJOR PROGRAM APPEARANCES:**

### **INTERNATIONAL LECTURES**

**Argentina:** Bariloche (1988), Buenos Aires (1980, 1987, 1988, 1991, 1993, 1994, 1995, 1998), Cordoba City (1980), Las Lenas (1991)

**Australia:** Sydney (1990, 2009); Melbourne (2009), Brisbane (2009)

**Bermuda:** Nassau (1991)

**Brazil:** Santa Maria (1992), Belo Horizonte (1995), Rio de Janeiro (1992, 1995), Sao Paulo (1986, 1987, 1988, 1992, 1993, 1995, 2009)

**Canada:** Calgary (1975), Edmonton (1984), Montreal (1974, 2006), Nova Scotia (1982, 1994), Toronto (1975, 1982, 1989), Vancouver (1974, 1981)

**Canary Islands:** Gran Canarias, Tenerife (1995)

**China:** Beijing (1987), Tianjin (1987)

**Columbia:** Bogota (1989, 1994, 2010)

**Denmark:** Copenhagen (1972, 1976)

**England:** London (1988, 2010, 2013)

**France:** Paris (1977, 1994)

**Germany:** Berchtesgaden (1985)

**Guam:** Agana (1971)

**India:** New Delhi, Patna (1994); Hyderabad, Mangalore, Trivandrum, Mysore, Bangalore (2012)

**Italy:** Lake Como, (2008, 2010)

**Japan:** Tokyo (1989, 1994), Osaka (1994), Kyoto (1989, 1994), Fujiko (1994)

**Mexico:** Acapulco (1975, 1994), Mexico City (1976)

**Mongolia:** UlaanBaatar (2017)

**Nepal:** Katmandu (1984, 1985)

**New Zealand:** Auckland (1992, 2007), Christchurch (1992), Queenstown (1992, 2007), Wellington (1992); Tapau (2009)

**Norway:** Oslo (1988), Stavanger (1988)

**Panama:** Panama City (1983)

**Portugal:** Lisbon (1979)

**Puerto Rico:** San Juan (1975)

**South Africa:** Cape Town (1987, 1993, 2009), Johannesburg (1987, 1993, 2009), Pretoria (1987, 1993, 2009)

**South Viet Nam:** Saigon (1971)

**Spain:** Barcelona (1988), Madrid (1988, 1994), Santiago de Compostela (1993, 1995)

**Switzerland:** Geneva (1985), Bern (1983, 1999), Zurich (2016, 2017)

**Taiwan:** Taipei (1979, 1989)

**United Kingdom,** (2008, 2010, 2014)

**Venezuela:** Caracas (1977, 1981, 1989)

**INVITED LECTURES:** Approximately 2000 invited lectures, workshops, seminars, and other oral presentations delivered between 1972 and 2016.

## STATE ASSOCIATION PRESENTATIONS:

Arizona (1980), California (1986); Canada, Province of Alberta (1975); Colorado (1971, 1973, 1975, 1984-1991, 1994, 2010); Connecticut (1977); Florida (1983, 1991, 1994); Hawaii (1993); Illinois (1975, 1985); Kentucky (1978); Long Island (1980); Massachusetts (1979); Michigan (1991, 2002); Mid-South Conference, Memphis (1983); Minnesota (1989); Mississippi (1986); Montana (1975); Montreal, Canada (2006); New Jersey (1981); New York (1981); North Carolina (1987); Ohio (1979, 1984, 1988); Oregon (1981); Oregon-Washington Combined Meeting (1975, 2010); Tennessee (1977); Texas (1977; 2009); Utah (1982); Washington (1982); West Virginia (1978); Winnipeg, All-Canadian (1980); Wyoming (1981).

## BOOKS:

Northern JL and Downs M. *Hearing in Children*. Baltimore, MD: Williams and Wilkins Company, 380 pgs., 1st Edition, 1974; 2nd Edition, 1978; 3rd Edition, 1984; 4th Edition, 1991; Spanish Translation; *La Audition en los Niños*, Salvat Editores, S.A., 1981; *Audicao en crianças*: Portuguese Translation, Editora Manole, LTDA., 1989; 5th Edition, 2002; 6th Edition, 2014 (Plural Publishers, San Diego);

Northern JL (Ed): *Hearing Disorders*. Boston: Little, Brown and Company, 360 pgs., 1st Edition, 1976; 2nd Edition, 1984; 3rd Edition, In Press. Spanish Translation Edition, *Trastornos de la Audicion*, Salvat Editores, S.A., 1979; 4th Edition, Allyn and Bacon, Publishers, 1996.

Hayes D. and Northern J.L. *Infants and Hearing*. San Diego, CA.: Singular Publishing Group, 406 pgs., 1996.

Jacobson J and Northern JL (Eds): *Diagnostic Audiology*. Boston: College-Hill Press/Little, Brown & Co., 1990.

Mueller GH; Hawkins D and Northern JL: *Real-Ear Probe-Microphone Measurements in Hearing Aid Fittings*. San Diego: Singular Press, 1992.

Northern JL: *Review Manual for Speech, Language & Hearing*. Philadelphia: W.B. Saunders, 464 pgs., 1982; Japanese Translation, Tokyo, Japan, 1988.

Lass N; McReynolds LV; Northern JL and Yoder DE (Eds): *Handbook of Speech-Language Pathology & Audiology*. Toronto: B.C. Decker Inc., 1400 pgs., 1988.

Northern JL: *Study Guide for Speech-Language Pathology & Audiology*. Toronto: B.C. Decker Inc., 1988.

Northern JL (Ed): *The Personal Computer for Speech, Language & Hearing Professionals*. Boston: Little, Brown & Co., 259 pgs., 1986.

Wood RP; Northern JL and Jafek B (Eds): *Manual of Otolaryngology: A Symptom-Oriented Text*. Baltimore: Williams and Wilkins Co., 240 pgs., 1979. Spanish Translation Edition, *Manual de Otorrinolaringología*, Salvat Editores, 1984.

Lass NJ; McReynolds LV; Northern JL and Yoder DE (Eds): *Speech, Language and Hearing (3-Volume Series)*. Philadelphia: W.B. Saunders, 1982.

Glasscock M; Jackson, CG; Josey AF and Northern, JL: *Brain Stem Evoked Response Audiometry*. New York: Brian C. Decker, Publisher, 128 pgs., 1981.

Jerger J and Northern J (Eds): *Clinical Impedance Audiometry*, 2nd Edition. Boston: American Electromedics Corp. and New York: Brian C. Decker, Publisher, 230 pgs., 1980.

Northern JL (Ed): *Selected Readings in Impedance Audiometry*. New York: American Electromedics Corp., 389 pgs., 1976.

Mueller, G., Northern, J. Ray, G., Traynor, R., Traynor, K. *How to Eat Like an Audiologist*. Rexton, VA: American Academy of Audiology, 2019.

## **CHAPTERS in BOOKS:**

Northern JL and Sanders D: "Philosophical Considerations of Aural Rehabilitation." Chapter 36 in *Handbook of Audiology* (J. Katz, Ed.), Baltimore: Williams & Wilkins Co., 694-701, 1972.

Northern JL: "Auditory Screening." Chapter 13 in *Pediatric Screening Tests* (W. Frankenburg and B. Camps, Eds), Springfield, IL: Charles C. Thomas, 346-385, 1975.

Northern JL: "Clinical Measurements Procedures." Chapter 2 in *Handbook of Impedance Audiometry* (J. Jerger Ed), New York: American Electromedics Corp., 21-46, 1975; revised for second edition, *Clinical Impedance Audiometry*, 19-39, 1980.

Weaver M and Northern J: "The Acoustic Nerve Tumor." In *Hearing Disorders* (J. Northern, Ed), Boston: Little, Brown & Co., 185-192, 1976.

Northern J: "Clinical Applications of Impedance Audiometry." In *Hearing Disorders* (J. Northern, Ed), Boston: Little, Brown & Co., 20-36, 1976.

Downs MP and Northern JL: "The Evaluation of Hearing." (Chapter 6, pgs. 38-60) and "The Management of Hearing Loss" (Chapter 7, pgs. 61-65) in *A Textbook of Otolaryngology* (G. English, Ed), New York: Harper & Row, 1976.

Northern J and Grimes A: "Introduction to Impedance Audiometry." Chapter 29 for *Handbook of Clinical Audiology*, 2nd Edition (J. Katz, Ed), Baltimore: Williams & Wilkins, 1978.

Northern JL: "Acoustic Impedance in the Pediatric Population." Chapter 11 in *Childhood Deafness: Causation, Assessment & Management* (F. Bess, Ed), New York: Grune & Stratton, pgs. 135-152, 1977.

Northern J: "Impedance Audiometry for Otologic Diagnosis." *Shambaugh Fifth International Workshop on Middle Ear Microsurgery & Fluctuant Hearing Loss* (G. Shambaugh and J. Shea, Eds), Huntsville, AL: Strode Publications, Inc., pgs. 75- 82, 1977.

Borton T and Northern J (Eds): "Hearing Disorders." Chapter 8 in *Annual Abstracts of Speech, Voice, Language & Hearing* (K.J. Goldstein, Ed), Boston: Little, Brown & Co., pgs. 201-258, 1979.

Northern J and Anderson L: "Evaluating of Hearing in Infants and Children." Chapter 7 in *Audiology for the Physician* (R. Keith, Ed), Baltimore: Williams & Wilkins Co., pgs. 170-186, 1980.

Northern J: "Diagnostic Tests in Ear Disease." Chapter 37 in *Allergic Diseases of Infancy, Childhood & Adolescence* (C.W. Bierman and D.S. Pearlman, Eds), Philadelphia: W.B. Saunders, pgs. 492-501, 1980.

Northern J: "Clinical Measurement Procedures in Impedance Audiometry." Chapter 2, pgs. 19-39; "Impedance Measurements with Distinctive Groups," Chapter 10, pgs. 183-201 in *Clinical Impedance Audiometry*, 2nd Edition (J. Jerger and J. Northern Eds), American Electromedics & Brian C. Decker, Publishers, 1980.

Northern JL: "Impedance Measurements in Infants." In *Early Management of Hearing Loss* (G. Mencher and S. Gerber, Eds), New York: Grune & Stratton, pgs. 131-149, 1981.

Thompson PL and Northern JL: "Audiometric Monitoring of Patients Treated with Ototoxic Drugs." Chapter 15 in *Aminoglycoside Ototoxicity* (S.A. Lerner, G.J. Matz and J.E. Hawkins, Eds), Boston: Little, Brown & Co., pgs. 237-248, 1981.

Northern J and Lemme M: "Hearing and Auditory Disorders." Chapter 10 in *Introduction to Communication Disorders* (G. Shames and E. Wiig, Eds), Columbus, OH: Charles E. Merrill Publishers, pgs. 299-329, 1981. Revised for 2nd Edition, pgs. 416-444, 1985.

Roeser R and Northern J: "Screening for Hearing Loss and Middle Ear Disorders." Chapter 7 in *Auditory Disorders in School Children* (R. Roeser and M. Downs, Eds), New York: Thieme-Stratton Inc., pgs. 120-150, 1981.

Northern J: "Audiological Evaluation." Chapter 6 in *Pediatric Developmental Diagnosis* (W. Frankenburg, S. Thornton and M. Cohrs, Eds), New York: Thieme-Stratton Inc., pgs. 66-77, 1981.

Northern JL; Gabbard S and Kinder D: "The Acoustic Reflex." Chapter 24 in *Handbook of Clinical Audiology*, 3rd Edition (J. Katz, Ed), Baltimore: Williams & Wilkins Co., pgs. 476-495, 1985.

Gerkin K and Northern J: "Cytomegalovirus: Special Case Studies in ABR." In *The Auditory Brainstem Response* (J. Jacobson, Ed), San Diego: College-Hill Press, pgs. 395-396, 1985.

Walker DD; Downs MP and Northern JL: "Hearing Deficits." In *Current Pediatric Diagnosis & Treatment* (S. Berman and B. Schmidt, Eds), Los Altos, CA: Lange Medical Publications, 1986.

Northern J and Grose K: "Immittance Measurements in Pediatric Otolaryngology." Chapter 10 in *Clinical Pediatric Otolaryngology* (T. Balkany and N. Pashley, Eds), St. Louis: C.V. Mosby Co., pgs. 105-116, 1986.

Northern JL: "Audiology Overview." In *Encyclopedia of Deaf People & Deafness* (J. Van Cleve, Ed), New York: McGraw-Hill Book Co., 1986.

Northern JL: "Diagnostic Audiology." Chapter 2 in *Complications in Otolaryngology-Head & Neck Surgery, Volume I: Ear & Skull Bone* (R.J. Wiet and J.B. Causse, Eds), Toronto: B.C. Decker Inc., pgs. 9-17, 1986.

Northern J: "Acoustic Immittance Measurements for Children." In *Childhood Deafness: Proceedings of the Third International Symposium on Childhood Deafness*, Vanderbilt University, 1986.

Northern J; Gabbard S and Kinder D: "Pediatric Considerations in Selecting and Fitting Hearing Aids." In *Handbook of Hearing Aid Clinical Procedures & Fitting Considerations* (R. Sandlin, Ed), San Diego: College-Hill Press, pgs. 113-132, 1990.

Northern JL; Walker DW; Downs M and Gugenheim S: "Office Screening for Communicative Disorders in Young Children." In *Advances in Developmental & Behavioral Pediatrics Volume 2* (M. Gottlieb and J. Williams, Eds), New York: Plenum Publishing Corp., pgs. 113-132, 1990.

Zarnoch JM and Northern JL: "Audiologic Manifestations." Chapter 38 in *Handbook of Speech-Language Pathology & Audiology* (N. Lass, L. McReynolds, J. Northern and D. Yoder, Eds), Toronto: B.C. Decker, Ltd., 1989.

Northern J and English G: "Otologic Evaluation." In *Diagnostic Audiology* (J. Jacobson and J.L. Northern, Eds), Boston: College-Hill Press/Little, Brown & Co., 1990.

Jacobson J and Northern JL: "Introduction to Diagnostic Audiology." In *Diagnostic Audiology* (J. Jacobson and J.L. Northern, Eds), Boston: College-Hill Press/Little, Brown & Co., 1990.

Northern JL and Gabbard SA: "The Acoustic Reflex." Chapter 21 in *Handbook of Clinical Audiology*, 4th Edition (J. Katz, Ed), Baltimore: Williams & Wilkins Co., pgs. 300-316, 1994.

Northern JL: "Special Issues Concerned with Screening for Middle Ear Disease in Children." Chapter 4 in *Screening Children for Auditory Function* (F.H. Bess, Ed), Nashville, TN: Bill Wilkerson Center Press, 1992.

Northern JL: "Introduction to Computerized Probe-Microphone Real-Ear Measurements in Hearing Aid Evaluation Procedures." Chapter 1 in *Probe Microphone Measurements: Hearing Aid Selection and Assessment* (HG Mueller, DB Hawkins, JL Northern, Eds), San Diego: Singular Publishing Group, 1992.

Northern JL: "Instrumentation of Computerized Probe-Microphone Systems." Chapter 2 in *Probe Microphone Measurements: Hearing Aid Selection & Assessment* (HG Mueller, D.B. Hawkins, J.L. Northern, Eds), San Diego: Singular Publishing Group, 1992.

Hawkins DB and Northern JL: "Probe-Microphone Measurements in the Pediatric Population." Chapter 10 in *Probe Microphone Measurements: Hearing Aid Selection & Assessment* (HG Mueller, DB Hawkins, JL Northern, Eds), San Diego: Singular Publishing Group, 1992.

Northern, JL and Epstein, S. "Neonatal Hearing Screening: Identification". Chapter 10 in *Pediatric Otology and Neurotology*, (A.Lalwani and K. Grundfast, Eds), Philadelphia: Lippincott-Raven, 1996.

## **JOURNAL ARTICLES:**

Northern JL: "The Type II Bekesy Audiogram and the MTDT." *Journal of Auditory Research* 4:3, 207-211, 1964.

Simon G; Northern JL and Balas R: "Validity and Reliability of the SAL Technique." *Journal of Speech & Hearing Research* 5:4, 279-284, 1965.

Simon G and Northern JL: "Hearing Level Versus Sound Pressure Level: A Brief Survey." *Journal of Speech & Hearing Research* 10:2, 156-159, 1967.

Northern JL: "Temporal Summation for Critical Bandwidth Signals." *Journal Acoustical Society of America* 42:2, 585-595, 1967.

Northern JL and Endicott J: "Military Opportunities in Speech Pathology and Audiology." *Asha* 10:8, 325-330, 1968.

Nilges TC; Northern JL and Burke KS: "Clinical Usage of the Zwislocki Bridge." *Archives of Otolaryngology* 89:69-86, 1969.



- Northern JL; Ciliac DR; Roth DE and Johnson R: "Military Patient's Attitudes Toward Aural Rehabilitation." *Asha* 11:3, 391-395, 1969.
- Northern JL and Hattler KW: "Earmold Influence on Aided Speech Identification Tasks." *Journal Speech & Hearing Research* 13:1, 162-172, 1970.
- Hattler KW and Northern JL: "Clinical Application of Temporal Summation." *Journal of Auditory Research* 10:72-78, October 1970.
- Nilges TC and Northern JL: "Iatrogenic Ototoxic Hearing Loss." *Annals of Surgery* 173:2, 281-289, 1971.
- Northern JL; Teter D and Krug R: "Characteristics of Manually Communicating Deaf Adults." *Journal Speech & Hearing Disorders* 36:1, 72-76, February 1971.
- Northern JL: "Clinical Application of Acoustic Impedance Measurement." *Clinics of Otolaryngology of North America*, Symposium on Congenital Deafness, 412:359-368, June 1971.
- Northern JL; Downs MP; Rudmose W; Glorig A and Fletcher JL: "Recommended High Frequency Audiometric Threshold Levels (8,000 to 18,000 Hz)." *Journal of Acoustical Society of America* 52:585-595, 1972.
- Northern J; Downs MP; Hemenway WG and Wood RP: "A Project for Management of Hearing Impairment in South Viet Nam." *Asha* 14:8, 399-401, 1972.
- Northern JL and Suter A: "Supportive Personnel in Audiology." *Asha* 14:7, 1972.
- Northern JL; McChord W; Fischer E and Evans P: "Hearing Services in Residential Schools for the Deaf." *Audiological Library Series*, Minneapolis: Maico Hearing Instruments, Vol. XI, Report #4, November 1972.
- English G; Northern JL and Fria T: "Chronic Otitis Media as a Cause of Sensori-neural Hearing Loss." *Archives of Otolaryngology* 98:17-22, 1973. (Selected for reprint by Maico Audiological Library Series, Vol. 12:10, 1974.)
- Northern JL and Bergstrom L: "Impedance Audiometry." *Eye, Ear, Nose & Throat Monthly* 52:11, 404-410, 1973.
- Eliachar I and Northern JL: "Studies in Tympanometry: Validation of the Present Technique for Determining Tympanic Pressure Through the Intact Ear Drum." *Laryngoscope* 84:247-255, 1974.
- Eliachar I; Sando I and Northern JL: "Simultaneous Manometric and Tympanometric Measurements of Middle-Ear Pressures in Guinea Pigs." *Archives of Otolaryngology* 99:3, 172-176, 1974.
- Northern JL; Rock E and Frye D: "Tympanometry: A Technique for Identifying Ear Disease in Children." *Pediatric Nursing*, April 1975.
- Northern JL (Special Issue Editor): "Ear Disease and Hearing Loss in American Indians." *Hearing Instruments*, April 1975. Issue won a Jesse H. Neal Certificate of Merit from American Business Press Association, 1976.
- Baker B and Northern JL: "Medical Conditions of the External Ear." *Audiological Library Series*, Minneapolis: Maico Hearing Instruments, Vol. XIV, 7, 1976.
- Northern J: "Audiologic Aspects of Identifying High Risk Infants and Young Children." *Allied*

*Health & Behavioral Sciences* 1:4, 441-468, 1978.

Northern J: "Advanced Techniques for Measuring Middle Ear Function." *Pediatrics* 61:5, 761-767, 1978.

Ritter R; Johnson RM and Northern JL: "The Controversial Relationship Between Loudness Discomfort Levels and Acoustic Reflex Thresholds." *Journal American Auditory Society* 4:4, 123-131, 1979.

Northern JL and Zarnoch JM: "Aural Rehabilitation: Noise-Induced Hearing Loss." *Otolaryngology Clinics of North America* 12:3, 693-703, August 1979.

Northern JL (Special Issue Editor): "Tinnitus." *Hearing Instruments*, September 1979.

Northern J: "Impedance Screening: An Integral Part of Hearing Screening." Proceedings of 2nd International Symposium-Recent Advances in Otitis Media with Effusion, *Annals of Otolaryngology, Rhinology & Laryngology*, Suppl. 68, 89:3, Part 2, pgs. 233-235, 1980.

Northern J: "Acoustic Impedance Measures in the Down's Population." *Seminars in Speech, Language & Hearing* 1:1, 81-86, 1980.

Northern JL and Ratkiewicz B: "The Quest for High-Frequency Hearing Norms." *Seminars in Hearing* 6:4, 331-339, 1985.

Walker D; Downs M and Northern JL: "Report on the Colorado Robert Wood Johnson Foundation Project/Screening Children for Communication Disorders." *The Rocky Mountain Journal of Communication Disorders* 1:1, 5-8, 1985.

Bluestone CD; Fria TJ; Northern J et al: "Controversies in Screening for Middle Ear Disease and Hearing Loss in Children." *Pediatrics* 77:1, 57-70, 1986.

Downs M; Walker D; Northern J and Gugenheim S: "Identification of Children with Language Delays Due to Recurrent Otitis Media." *Proceedings of the Fourth International Symposium, Recent Advances in Otitis Media* (D. Lim, C. Bluestone, J. Klein, D. Nelson, Eds), Toronto: B.C. Decker, Ltd., 382-385, 1988.

Walker D; Downs MP; Gugenheim S and Northern J: "Early Language Milestone Scale and Language Screening of Young Children." *Pediatrics* 83(2), 284-288, 1989.

Northern J and Gerkin: "New Technology in Infant Hearing Screening." *Otolaryngology Clinics of North America* 22:1, 75-87, 1989.

Northern JL; Jennings Kepler L and Gabbard SA: "Deep Canal Fittings and Real Ear Measurements." *Hearing Instruments* 42:9, 34-35, 53, 1991.

Bryant MP; Mueller HG and Northern JL: "Minimal Contact Long Canal ITE Hearing Instruments." *Hearing Instruments* 42:1, 12-15, 48, 1991.

Northern JL: "Universal Screening for Infant Hearing Impairment." Letter to the Editor, *Pediatrics* 94:6, 955, 1994.

Mueller HG; Bright KE and Northern JL: "Studies of the Hearing Aid Occlusion Effect." *Seminars in Hearing* 17:1, 21-32, 1996.

Northern, JL: "The Audiologist as an Expert Witness." *Hearing Journal*, 49:2, February, 1996.

- Northern, JL: Quality Managed Care: It's Not an Oxymoron! *The Hearing Journal*, 50:6, 35-37, 1997.
- Northern, JL: "Say What? Attracting Medicare Members with Hearing Service Benefits." *Health Insurance Underwriter*, 45:8, 37-39, 1997.
- Northern, JL and Beyer, CM. Reducing Hearing Aid Returns through Patient Education. *Audiology Today*, 11:2, 10-11, 1999.
- Beyer, CM and Northern, JL. Meeting the Needs of Managed Care. *Seminars in Hearing*, 20:2, 143-150, 1999.
- Gabbard, SA, Northern, JL, Yoshinaga-Itano, C. Hearing Screening in Newborns Under 24 Hours of Age. *Seminars in Hearing*, 20:4, 2-13, 1999.
- Kochkin, S., Luxford, W., Northern, JL, Mason, P., Tharpe, AM. MarkeTrak VII: Are 1 Million Dependents with Hearing Loss Being Left Behind? *The Hearing Review*, 14:10, 10-37, 2007.
- Northern, JL: Special Issue Editor: Pediatric Amplification. *The Hearing Journal*, 61:11, 2008.
- Northern, J.L. El Sorprendente Mundo de los Audifonos (The Amazing World of Hearing Aids). *Audiologia Hoy*, 7:1, 30-33, 2010.
- Kochkin, S., Beck, D., Christensen, L., Compton-Conley, C; Fligor, B., Kricos, P., McSpaden, J., Mueller, H.G., Nilsson, M., Northern, J.L., Powers, T., Sweetow, R., Taylor, B., and Turner, R. MarkeTrak VIII: The Impact of the Hearing Healthcare Professional on Hearing Aid User Success. *The Hearing Review*, April, 2010.
- Northern, J.L. Strategies of Adult Hearing Aid Selection. *Audiology Research*, 1:e21, 2011.
- Northern, J.L. Editor of Special Issue: "Amplification in Pediatric Audiology." *The Hearing Review*, 18(11), 2011.
- Northern, J.L. Editor of Special Issue: "Tele-audiology." *Hearing Review*, 19(10), 2012.
- Northern, J.L. Extending hearing healthcare: tele-audiology. 19(10), 12-16, 2012.
- Northern, J.L. The Secret is Service. *The Hearing Review*, Jan., 2013
- Johnson, C., Danhauer, J., Page, A., Freeman, B., Borton, T., Borton, B., Northern, J. AuD-Degree Holders in Tenure-Track Positions: Survey of Program Chairpersons and AuD-Degree Holders. *J Am Acad Audiol* 24:1–23 (2013).
- Northern, J.L. Remembering Marion Downs, Pediatric Audiology Pioneer. *Hearing Journal*, 68:2, pp 8, 9, 12, 2015. file:///C:/Users/Jerry/Downloads/Remembering\_Marion\_Downs,\_Pediatric\_Audiology.3%20(3).pdf
- Northern, J.L. Marion Downs: Her Life and Legacy (1914 – 2014). *International Journal of Audiology*, February, 2015. <http://informahealthcare.com/eprint/PrAk2VaDADFg3tj3vJzY/full>
- Kubli, L.R., Brungart, D. and Northern, J.L. Effect of Blast Injury on Auditory Localization in Military Service Members. *Ear and Hearing*, 39(3), 457-469, 2018.

## PAMPHLETS, MONOGRAPHS, EXHIBITS AND POSTER PRESENTATIONS:

Northern JL (Ed): "Audiometric Assistant: A Suggested Guide for a Training Program." U.S. Department HEW & Office of Education, Manpower Development & Training Program, 22 pg., January 1971.

Northern JL (Ed): "Audiometric Assistant Trainee's Workbook." Developed under a grant for \$50,000 from U.S. Department HEW & Office of Education, Manpower Development & Training Program, 141 pg., 1971.

Award Certificates, American Speech-Language-Hearing Association:

Scientific Exhibit: High Frequency Hearing Survey, 1968

Scientific Exhibit: Programmed Aural Rehabilitation, 1969

Short Course: Primer of Temporal Bone Anatomy & Pathology, 1973

Short Course: Practical Audiology for the Speech Pathologist, 1974

Poster Presentations: American Academy of Audiology Conventions

Poster: Reducing Hearing Aid Returns Through Patient Education, 1997

Poster: Analysis of Hearing Aid Returns, 1998

Northern, J and Hayes, D: Proceedings of the International Newborn Hearing Screening Symposium, Special Program on Auditory Neuropathy (2008).

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Jerger J and Northern J: *Proceedings of the Third International Symposium on Impedance Audiometry*. New York: American Electromedics Corp., 60 pgs., 1976.

Northern J: "Audiometry." *Otolaryngology Loose-Leaf Series* (G. English, Ed), Vol. 1, Chapter 6, Hagerstown, MD: Harper & Row, Publishers, 1979.

Northern J and Howie V: *Tympanometry Primer*. Boston: American Electromedics Corp., 94 pgs., 1978.

Northern J: Hearing Aids and Acoustic Impedance Measurements." *Monographs in Contemporary Audiology* 1:2, 25 pgs., 1981.

Northern J: Operating Guidebook for Tracoustics Program III Clinical Audiometer. Austin, TX: Tracoustics, Inc. 54 pgs., 1981.

Northern J: "Impedance Audiometry." In *Clinical Auditory Evaluation Manual* (G. Gates, Ed), Chicago: American Academy of Otolaryngology, 1981.

Northern J.L. and Rousch J: "Differential Audiology in Otologic Diagnostics." In *Otolaryngology Loose-Leaf Series* (G. English, Ed), Hagerstown, MD: Harper & Row, Publishers, 1985.

Northern J (Editor): Etymotic Research, Inc.: 25 Years of Research & Product Development for the Ear. (2008).

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Northern, J.L. (Editor). *A Sound Foundation Through Early Amplification 2013*. Proceedings from the Sixth International Symposium on Early Amplification. Phonak AG, Switzerland, 2014.

## INVITED BOOK REVIEWS:

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Northern JL: "Acoustic Impedance and Admittance - The Measurement of Middle Ear Function," by A. Feldman and L. Wilber (Eds), *Corti's Organ*, January 1977.

Northern JL and Johnson D: "Ear Diseases, Deafness and Dizziness," by V. Goodhill. *Asha* 24:2, 1040-1041, 1982.

Northern J: Forward. *The Auditory Brainstem Response* (J. Jacobson, Ed), San Diego: College-Hill Press, 1985.

Northern JL: "Fundamentals of Hearing: An Introduction," (Second Edition), by W.A. Yost and D.W. Nielsen, *Volta Review*, 1986.

Northern JL: "Otitis Media and Child Development," J.F. Kavanagh (Ed), *Ear & Hearing* 8:4, 252, 1987.

Northern, JL. "Fundamentals of Hearing: An Introduction," (Fifth Edition), American Academy of Audiology, 2008.

## PROFESSIONAL AFFILIATIONS:

Member, American Academy of Audiology: Founding Member, 1988; Executive Committee Member-At-Large, 1988-1990; President, 1991-1992; By-Laws Revision Ad Hoc Committee, 1991; Public Relations, 1988-1993; Convention Committee, 1989-2007; Convention Trivia Bowl Co-Director, 1989-2008; Marketing Committee, 1997-2008; Publications Committee, 1993-2008; Co-Director, Conference on The AuD Externship Experience, 1994; Editor, *Audiology Today*, 1993-2008; Web Site Editor, 1998-2008; AudiologyNow Convention Committee, 2014; Honors Committee, 2013 -2016; *Ad Hoc* Cookbook Committee, 2018-2019.

Founder, American Academy of Audiology Foundation, Board of Directors, 1990-2008; President and Chair, 1996-1998; President (second term) 2002-2004; Member, Board of Trustees, 2004-2008

AuD Advisory Board, Rush University (Chicago, IL), 2003-2019

Graduate Program Advisory Board (PhD-AuD), Gallaudet University (Washington, DC), 2005-2014

American Speech-Language-Hearing Association: Fellow, 1971; Federal Representative Committee, 1968-1970; Ad Hoc Advisory Committee to the American Speech and Hearing Foundation, 1970; Ethical Practice Board, 1970-1973 - reappointed 1975-1979; Ad Hoc Hearing Aid Dispensing Committee, 1974, Ad Hoc Code of Ethics Review Committee, 1974; ASHA

Program, Exhibits Subcommittee, 1976 Annual Meeting; Task Force on Audiologic Practice, 1976-1977; ASHA-American Council of Otolaryngologists Liaison Committee, 1977-1979; Ad Hoc Committee on Medicaid Regulations, 1979; Founders Club, 1981-1987, National Certification Examination in Audiology, 1982-1983; Working Group Acoustic Immittance Measurements, 1983; Audiology I Subcommittee of Program Committee, 1987; National Convention Program Chair, (Seattle) 1990; Scientific and Professional Programs Board, 1988-1990; Ad Hoc Committee on Convention Programs and Procedures, 1990.

Member, American Auditory Society: Executive Board Member, 1973-1974; Membership Committee, 1974; Associate Editor, *Journal of American Auditory Society*, 1975-1976; Editorial Assistant, *Corti's Organ Newsletter*, 1975-1983

Member, Academy of Dispensing Audiologists, 1994-2000

Member, Association for Research in Otolaryngology, 1981-2000

Member, Colorado Speech-Language-Hearing Association, 1966-1992; President, 1987-1989; Past-President, 1990-1992

Colorado Academy of Audiology, Charter Member, 1989-2014

Member, Acoustic Society of America, 1963-1983; Institute of Physics, (Technical Program Chairman, Denver, 1971 Fall Meeting)

Member, National Association of the Deaf, 1968-1976 (National Research Committee Member, 1969)

Member, Washington, D.C. Interagency Board of U.S. Civil Service Examiners, 1968-1970

Member, Academy of Rehabilitative Audiology, 1970-1977 (Nominating Committee, 1970-1974; Membership Committee, 1971-1974; Membership Chairman, 1975

Member, Registry of Interpreters for the Deaf; Colorado RID, 1970-1979

Member, National Association of Speech and Hearing Agencies, 1969-1973 (Advisory Committee on Supportive Personnel, 1970-1972)

Charter Member (Founder), Military Audiology and Speech Pathology Society (Secretary-Treasurer, 1969)

Member, National Academy of Sciences-National Research Council, Committee on Hearing, Bioacoustics and Biomechanics, 1968-1987

## **CONSULTANTSHIPS**

**Consultant to Government Agencies:** National Institutes of Health, U.S. Army Liaison member. Study Section in Communicative Sciences, 1968-1970; Consultant, National Center for Health Statistics, 1975-1976; Chairman, technical Merit Review Panel, NINCDS, "Hearing Aids and Auditory Sensitivity in Children," St. Louis, MO, 1976; Ad Hoc Study Section Member and Site Visitor, UCLA, 1977; NINCDS Research Center Application Study Group and Site Visitor, University of Minnesota, 1978; Grant Progress Review and Site Visitor, St. Louis, 1978; NINCDS Research Center Application Study Group Site Visitor, Kresge Hearing Laboratory, University of Oregon, 1979; Grant Reviewer, U.S. Department of Education, Office of Special Education and

Rehabilitative Services, 1984 and 1986; Operations (Data Monitoring) Committee for VA Cooperative Study of Cochlear Implants, 1986-1990; Consultant in Audiology, Navajo Otitis Media Project (Gallup, NM), U.S. Public Health, Indian Health Services, 1971-1976; Center for Disease Control, Chronic Disabilities Committee, 1990-1991; Peer Reviewer, Clinical Practice Guideline #12: Otitis Media with Effusion in Young Children, Public Health Service, 1994.

**Consultant, Audiology, U.S. Army:** Fitzsimons Army Medical Center, Denver, CO, 1969-1976; Madigan Army Medical Center, Tacoma, WA, 1974; Brooke Army Medical Center, San Antonio, TX, 1976; Walter Reed Army Medical Center, Washington, DC, 1975, 1980; Military Audiology-Speech Pathology Society, 1975, 1988, Letterman Army Medical Center, Presidio, CA, 1989; National Military Medical Center, Bethesda, MD, 2013.

**Consultantships to Industry:** American Electromedics Corporation, Boston, MA, 1973-1982, 1993-1994; Madsen Electronics Corporation, Toronto, Canada, 1971-1973; Tracoustics, Inc., Austin, TX, 1976-1983, Audimax Co., "Electrostimulation for Auditory Diagnosis and Therapy," 1983-1984; Bausch and Lomb Hearing Systems Division, Eden Prairie, MN, 1990-1991; Educational Testing Services, National ASHA Certification Examination in Audiology, Princeton, NJ, 1982-1983; Rastronics USA, Inc., Mountainside, NJ, 1986; Natus-Algotek, Inc., Palo Alto, CA, 1985-1995; Panel Member (Judge), Beltone Distinguished Teaching Award Committee, 1986-1987; Playtone Pediatric Audiometer, Life-Tech, Inc., 1988-1989; Merrill Dow Research Institute, 1987-1989; BAM World Markets, 1987-1990; Beltone Electronics Corp., 1994-1996; PathoGenesis, 1994-1997; Symphonix Devices, 1998; Etymotic Research, 2008. Advisory Board Member, Sonova Hear the World Foundation, 2016-2020.

**Consultantships to Publishers:** College-Hill Press, San Diego, CA, 1982-1986; W.B. Saunders, Philadelphia, PA, 1980-1983; Thieme-Stratton Inc., New York, NY, 1980-1997; Little, Brown and Company, Boston, MA, 1976-1986; Williams and Wilkins Company, Baltimore, MD, 1972-1981

### **Published Interviews, Blogs and Videos**

JN Interview: "Founder's Focus: Jerry Northern" by David Fabry. *Audiology Today*, Jan-Feb, pgs. 18-25, 2013. [http://www.audiology.org/resources/audiologytoday/Documents/2013\\_01-02/AT%2025.1%20-%20LOW%20RES.pdf](http://www.audiology.org/resources/audiologytoday/Documents/2013_01-02/AT%2025.1%20-%20LOW%20RES.pdf)

JN Interview: "Pediatric Audiology and Hearing in Children" by Douglas Beck. American Academy of Audiology website, DOI 07-26-2014. <http://www.audiology.org/news/Pages/20140725.aspx>.

JN Blog for A.U. Bankaitis's Golden Nuggets of Info for Audiologists. "Hey! Wake Up, Audiologists! The Future is Here?" DOI 05-01-2013. <http://aubankaitis.com/?s=Jerry+Northern>

JN Blog for Plural Community Posting. "An Unconventional Childhood." DOI 03-03-2013. <http://www.pluralpublishing.com/wp/?s=Jerry+Northern&submit=Search>

JN Blog for HearingHealthMatters.org (Hearing Economics) by Holly Hosford-Dunn. "The Unraveling of Hearing Healthcare Delivery." Part 1: DOI June 10, 2014. <http://hearinghealthmatters.org/hearingeconomics/2014/unraveling-hearing-healthcare-delivery/> DOI June 17, 2014, Part 2: <http://hearinghealthmatters.org/hearingeconomics/2014/unraveling-hearing-healthcare-delivery-part-2/>

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"Hearing Loss in Children" 30-minute video tape produced by NBC (New York City) for national distribution as part of "Our Incredible Gifts: Speech and Hearing," Public Education Series, 1977

"That They Might Hear," CBS video segment shown on "Walter Cronkite's Universe," 1981

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Northern, J. "An Interview with James Jerger about his new Memoir: My Life in Audiology." Feb 18, 2017. <http://hearinghealthmatters.org/.../interview-james-jerger-new-memoir-life-audiology/>