

COMPLETE VITA

William Albert Yost

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Professor - Psychology Department; **Professor of Hearing Sciences** - Parmly Hearing Institute;
Adjunct Professor - Department of Otolaryngology

BIOGRAPHICAL DATA

BORN: September 21, 1944; MARRIED: Lee Prater, June 15, 1969
CHILDREN: Kelley Ann, Born October 14, 1971 (married: Kelley Ann Abrams)
Alyson Leigh, Born January 4, 1977 (married: Alyson Leigh Novesky)
B.A. The Colorado College, 1966; Major-Psychology; Minor-Mathematics
Ph.D. Indiana University, 1970; Experimental Psychology
D.Sc. The Colorado College, 1997, *honoris causa* (Honorary Degree)

POSITIONS (see end of Vita for visiting positions)

1977-Present: Professor of Psychology, Loyola University Chicago
1977-Present: Professor of Hearing Science, Parmly Hearing Institute, Loyola University Chicago
1977-Present: Member of Graduate Faculty, Loyola University Chicago
1980-Present: Adjunct Professor of Otolaryngology, Loyola University Chicago
2001-2004: Associate Vice President for Research and Dean of the Graduate School, Loyola University Chicago
2000-2001: Acting Associate Vice President for Research and Dean of the Graduate School, Loyola University Chicago
2000: Acting Dean of the Graduate School, Loyola University Chicago
1999-2000: Acting Associate Vice President for Research, Loyola University Chicago
1997-2001: Director-Interdisciplinary Neuroscience Minor, Loyola University Chicago
1977-2001: Director, Parmly Hearing Institute, Loyola University Chicago
1982-1984 (On Leave from Loyola): Program Director, Program in Sensory Physiology and Perception, Oversight Director for the Program in Developmental Neuroscience, The National Science Foundation, Washington, DC (Certificate in Federal Employee Management, Certificate in Federal Research Administration, Certificate in Office of the Management of the Budget (OMB) Research Circulars), (Liaison to Congressional Initiative on the Decade of the Brain, Liaison to Congressional Initiative on Science Education)
1975-1977: Associate Professor of Psychology, Joint Appointment Speech Department, Member, Institute for Advanced Study of the Communication Processes and Resident Doctoral

Research Faculty of the Graduate School, University of Florida
1972-1975: Assistant Professor, Psychology Department and Speech Department, Resident
Doctoral Research Faculty, University of Florida
1971-1972: Assistant Professor, Speech Department (Communication Sciences Laboratory),
Resident Doctoral Research Faculty, University of Florida
1970-1971: National Science Foundation Post Doctoral Fellow, Psychology Department,
University California at San Diego

HONORS

Awarded National Institutes of Health Undergraduate Summer Research Fellowship, 1964
Awarded National Institutes of Health Predoctoral Fellowship, 1968-1970
Awarded Best Graduate Teaching Award, Psychology Department, Indiana University, 1969
Awarded Best Teaching Associate Award, College of Arts and Sciences, Indiana University,
1970
Awarded National Science Foundation Postdoctoral Fellowship, 1970-1971
Awarded National Science Foundation Postdoctoral Fellowship, 1971-1972 (Awarded March,
1971, declined to accept job, University of Florida)
Nominated by Loyola University Chicago for the National Science Foundation's (NSF)
Waterman Award for Outstanding Scientists under 35 years of age, 1978-1979
Sigma Xi, 1966
Who's Who in the World, Who's Who in America, Who's Who in the South and Southwest
(1974-1979), Who's Who in the Midwest, Who's Who in World Medicine, Who's Who in
Medicine and Healthcare, Who's Who in Technology Today, Who's Who in Science,
Who's Who Among Human Services Professionals, Who's Who in Science and
Engineering, American Men and Women in Science, International Who's Who of
Professionals, Strathmore's Who's Who
National Registry-Library of Congress Who's Who In Executive and Professionals-2004
National Distinguished Service Registry, Speech, Language, Hearing, 1990
Fellow, Acoustical Society of America, 1983
Fellow, American Speech, Hearing, and Language Association, 1995
Fellow, American Association for the Advancement of Science, 1995
Fellow, American Psychological Society, 2000
Loyola University Chicago's "Faculty Member of the Year," 1993-1994
Faculty Scholar (2002-)
Honorary Degree: Doctor of Science (D.Sc.), *honoris causa*, The Colorado College, 1997
"Wall of Distinction," The Colorado College, 2000
2000 Leading Scientists in the 21st Century, International Biographical Center, 2001
National Associate, National Academies of Sciences, 2003

RESEARCH INTERESTS: Auditory perception and psychoacoustics in areas of pitch
perception, sound localization including localizing sounds in reverberant environments and
virtual auditory environments, processing sounds with modulated waveforms, sound source
determination and segregation, and computational modeling with respect to time-based neural
models of complex sounds. Animal psychophysics in areas related to pitch perception and
processing modulated sounds. Applications of this work to societal issues such as noise pollution
(on land and in the seas), hearing impairment and hearing aids, and people-machine interactions.

PUBLICATIONS

1970

(1) Yost, William A., Tone-on-Tone Binaural Masking, Indiana Mathematical Psychology Program, Indiana University, Report Number 10-70, 1970

1971

(1) Yost, William A., Wightman, Fredrick L., and Green, David M., Lateralization of Filtered Clicks, Journal of the Acoustical Society of America, 50, 1526-1531, 1971

1972

(2) Yost, William A., Weber's Fraction for the Intensity of Pure Tones Presented Binaurally, Perception and Psychophysics, 11, (1A), 61-64, 1972

(3) Yost, William A., Penner, M.J., and Feth, L.L., Signal Detection as a Function of Contralateral Signal-to-Noise Ratio, Journal of the Acoustical Society of America, 51, 1966-1971, 1972

(4) Yost, William A., Tone-on-Tone Masking for Three Binaural Listening Conditions, Journal of the Acoustical Society of America, 52, 1234-1237, 1972

1974

(5) Robinson, D.E., Langford, T.L., and Yost, William A., Tone-on-Tone and Noise-in-Noise Binaural Masking, Perception and Psychophysics, 15, 159-168, 1974

(6) Yost, William A., Discrimination of Interaural Phase-differences, Journal of the Acoustical Society of America, 55, 1294-1304, 1974

(7) Yost, William A., Bergert, B., and Turner, B., Comparison Among Four Psychophysical Procedures used in Lateralization, Perception and Psychophysics, 15, 483-487, 1974

(8) Yost, William A., Nielson, D.W., Tanis, D.C., and Bergert, B., Tone-on-Tone Binaural Masking with an Antiphase Masker, Perception and Psychophysics, 15, 233-237, 1974

(9) Schwartz, J.M., Yost, William A., and Green, A.E.S., Gainesville Community Noise Effort, Sound and Vibration, 8(12), 24-27, 1974

1975

(10) Yost, William A., Comments on 'Lateralization and Binaural Masking-Level Difference' (G.B. Henning, J. Acoust. Soc. Am., 57, 1975), Journal of the Acoustical Society of America, 57, 1214-1216, 1975(L)

(11) Yost, William A., Tanis, D.C., Nielsen, D.W., and Bergert, B., Interaural Time vs. Interaural Intensity in a Lateralization Paradigm, Perception and Psychophysics, 18, 433-440, 1975

(12) Yost, William A., Frequency-Selectivity using Tonal-Temporal Masking: Diotic vs. Dichotic Masking, Perception and Psychophysics, 18, 423-427, 1975

(13) Green, David M. and Yost, William A., Binaural Analysis, in) in Handbook of Sensory Physiology: Hearing (vol. 5), (W. Keidel and W.D. Neff, eds), Springer-Verlag, 1975

(14) Schwartz, J.M., Yost, William A., and Green, A.E.S., Gainesville, Florida Community Noise Effort, Proceedings of the Technical Program, NOISEXPO, Acoustical Publications, Inc., Ohio, 1975

(15) Yost, William A., Comment, American Psychologist, 30, 1094, 1975

1976

(16) Berg, K.M. and Yost, William A., Temporal Masking of Clicks by Noise under Diotic and

- Dichotic Listening Conditions, *Journal of the Acoustical Society of America*, 60, 173-178, 1976
- (17) Yost, William A., Berg, K.M., and Thomas, G., Frequency Recognition in Temporal Masking: Four Psychophysical Procedures, *Perception and Psychophysics*, 20, 353-359, 1976
- (18) Yost, William A., Lateralization of Repeated Filtered Transients, *Journal of the Acoustical Society of America*, 60, 178-182, 1976
- (19) Yost, William A., Basic Experimentation in Psychoacoustics, A book review for the *Journal of the Acoustical Society of America*, 60, 982-983, 1976

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- (20) Yost, William A., Lateralization of Pulsed Sinusoids Based on Interaural Onset, Ongoing and Offset Temporal Differences, *Journal of the Acoustical Society of America*, 61, 190-194, 1977
- (21) Yost, William A. and Walton, Joseph, The Hierarchy of MLD's Obtained in Temporal Masking Paradigms, *Journal of the Acoustical Society of America*, 61, 1367-1379, 1977(L)
- (22) Yost, William A. and Silva, Dennis, Binaural Processing of Acoustic Transients, *Sensory Processes*, 1, 363-375, 1977
- (23) Yost, William A. and Thomas, Gerry, Frequency Recognition in a Dichotic Temporal Listening Condition, *Perception and Psychophysics*, 22, 395-399, 1977
- (24) Yost, William A. and Nielsen, Donald W., Fundamentals of Hearing: An Introduction, Holt, Rinehart, Winston, First Edition, 1977
- (25) Yost, William A., Effects of Noise on Hearing, A book review for the *Journal of the Acoustical Society of America*, 61, 232-233, 1977

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- (26) Yost, William A. and Dolan, David, Masking Level Difference of Repeated Filtered Transients, *Journal of the Acoustical Society of America*, 63, 1927-1930, 1978(L)
- (27) Yost, William A. and Hill, Richard, Strength of the Pitches Associated with Ripple Noise, *Journal of the Acoustical Society of America*, 64, 485-492, 1978
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- (30) Yost, William A., The Structure and Use of Microprocessors, in Use of Minicomputers in Research on Sensory and Information Processing, (M. Mayzner and T.R. Dolan, eds), Erlbaum Press, 1978

1979

- (31) Yost, William A. and Klein, Alan, Detection of Filtered Transients, *Audiology*, 18, 17-23, 1979
- (32) Yost, William A., Models of the Pitch and Pitch Strength of Ripple Noise, *Journal of the Acoustical Society of America*, 66, 400-411, 1979
- (33) Thorndike, R. M. and Yost, W. A., Statistics, Measurement and Psychophysics, in Contemporary Psychology: An Introduction, (Merle Meyer, ed), Oxford Press, 1979

1980

- (34) Lutfi, Robert and Yost, William A., Two-Tone Unmasking in the Forward-Masking Procedure: Suppression or Temporal Cueing, *Journal of the Acoustical Society of America*, 68,

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(35) Yost, William A., Man as Mammal: Psychoacoustics, in Hearing in Vertebrates, (A. Popper and R.R. Fay, eds), Springer-Verlag, 1980

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(37) Yost, William A., Noise from 20,000 Vehicles, Proceedings of the Technical Program, NOISEXPO, Acoustical Publications, Inc., Ohio, 1980

(38) Yost, William A., Opinion Survey of Noise in Florida, Proceedings of the Technical Program, NOISEXPO, Acoustical Publications, Inc., 1980

(39) Yost, William A., Comment on 'Auditory Frequency Sensitivity of Human Newborns: Some Data with Improved Acoustic and Behavioral Controls', Perception and Psychophysics, 27(2), 179, 1980

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1981

(41) Lufti, Robert and Yost, William A., Cubic-Difference Tones Measured with the Masking-Level Difference, Journal of the Acoustical Society of America, 69, 216-223, 1981

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1982

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1983

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1984

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1985

(54) Yost, William A., Prior Stimulation and the Masking-Level Difference, *Journal of the Acoustical Society of America* 78, 901-907, 1985

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1986

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1987

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(65) Yost, William A., and Hafter, Ervin, Lateralization of Simple Stimuli, in Directional Hearing (W.A. Yost and G. Gourevitch, eds), Springer-Verlag, 1987

(66) Yost, William A., Harder, P. J., and Dye, R. H., Complex Spectral Patterns with Interaural Differences: Dichotic Pitch and the 'Central Spectrum,' in Auditory Processing of Complex Sounds, (W. A. Yost and C. S. Watson, eds), Lawrence Erlbaum, Inc., Publishers, 1987

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1988

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1989

(72) Yost, William A. and Stanley Sheft, Across-critical-band processing of amplitude-modulated tones, *Journal of the Acoustical Society of America* (85),848-857, 1989

(73) Yost, William A., Stanley Sheft, Jane Opie, Modulation Detection Interference: Effect of Modulation Frequency, *Journal of the Acoustical Society of America* (86), 2138-2148, 1989

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(75) Yost, William A. (Chair) Localization of Sounds by Humans, Committee on Hearing, Bioacoustics, and Biomechanics (CHABA), National Academy of Sciences Press, 1989

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1990

(77) Sheft, Stanley and William A. Yost, Integration in Amplitude Modulation Detection, *Journal of the Acoustical Society of America* 88, 796-805, 1990

(78) Yost, William A. and Stanley Sheft, A Comparison Among Three Procedures used to Measure Across-Frequency Temporal Processing, *Journal of the Acoustical Society of America*, (87), 897-901, 1990

1991

(79) Yost, William A., Thresholds for Segregating a Narrow Band of Broad Band Noise, *Journal of the Acoustical Society of America* 89, 834-842, 1991

(80) Yost, William A. and Raymond Dye, Properties of Sound Localization by Humans, in *Neurobiology of Hearing: The Central Nervous System*, (R. Altschuler, D. Hoffman, R. Bobbin, and B. Clopton, eds), Raven Press, 1991

(81) Yost, William A., Psychological Acoustics, in *Encyclopedia of Applied Physics*, (G.L. Trigg, ed), VCH Publishers, American Institute of Physics, 1991

(82) Yost, William A. Comparative Psychology of Audition, a book review for *Music Perception* 8(4), 469-470, 1991

(83) Yost, William A. Auditory Scene Analysis, a book review for *Contemporary Psychology* 36 (10), 839-840, 1991

1992

(84) Yost, William A., Auditory Image Perception and Analysis, *Hearing Research* 56, 8-19, 1992

(85) Yost, William A. Frequency and Intensity Discrimination in a Modulation Detection Inference (MDI) Paradigm, in *Auditory Physiology and Perception* (Y. Cazals, L. Demany, K. Horner, eds), Plenum Press, Berlin, 1992

(86) Yost, William A., Auditory Perception and Sound Source Determination, *Current Directions in Psychological Sciences*, Vol. 1(6), 1992

(87) Niemiec, A.J., William A. Yost, and W.P. Shofner, Behavioral Measures of Frequency Selectivity in the Chinchilla, *Journal of the Acoustical Society of America* 92(5), 2636-2649, 1992

1993

(88) Shofner, William, William A. Yost and Stanley Sheft, Increment Detection of Bandlimited Noise in the Chinchilla, *Hearing Research* 64, 1993

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(91) Yost, William A and Stanley Sheft. Auditory Perception, in Psychoacoustics, (W.A. Yost, R.R. Fay, and A. Popper, eds), Springer Verlag, 1993

(92) Yost, William A. Perceptual Models of Localization, in *Proceedings of Perception of Reproduced Sound*, Audio Engineering Society, 12, 1993

1994

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(94) Yost, William A. Auditory Cognition, book review of *Thinking in Sound*, *Science* 263, 108-109, 1994

(95) Yost, William A., New Developments in the Study of Spatial Hearing, *Audiology Today* 6, 9-12, 1994

(96) Yost, William A and Sheft, Stanley. Modulation Detection Interference: Across-Spectral Processing and Sound Source Determination, *Hearing Research*, 79 (1/2), 48-59, 1994

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1995

(99) Yost, William A., Pitch Strength and Modeling, *Workshop on the Biological Basis of Speech Processing*, ATR Publications, Japan, 1.23, 57-65, 1995

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1996

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- (107) Yost, William A., Pitch of Iterated Rippled Noise, *Journal of the Acoustical Society of America* 100, 511-519, 1996
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1997

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1998

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1999

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2000

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- (35) Yost, William A., Processing of Complex Signals and the Role of Inhibition, NATO Advanced Workshop on Auditory Frequency Selectivity, Cambridge, England, 1986
- (36) Yost, William A., Two-ears, One World, The Colorado College, Colorado Springs, 1986
- (37) Yost, William A., Echoes, Pitch, and Ripple Noise, Central Institute for the Deaf, St. Louis, 1987
- (38) Yost, William A., Iterated Ripple Noise: A Test for the Spiral-Ribbon Model, Applied Psychology Unit, Cambridge, England, 1987
- (39) Yost, William A., Auditory Object Perception, Chicago/Wisconsin Acoustical Society, Lake Geneva Wisconsin, 1988
- (40) Yost, William A. Auditory Object Perception: The Role of Temporal Modulation, Department of Otolaryngology, University of North Carolina, Chapel Hill, 1988
- (41) Yost, William A. and Raymond Dye, Cross-Spectrum Effects in Localization: Localizing Multiple Sound Sources. CHABA Symposium on Human Localization, Washington DC, 1988
- (42) Yost, William A., Auditory Object Perception, University of Maryland, College Park, 1989
- (43) Yost, William A., Auditory Image Perception and Analysis, Northwestern University, Evanston, 1989
- (44) Yost, William A., Auditory Image Perception and Analysis, Office of Naval Research (ONR) Conference on Classification of Sounds, St. Petersburg Beach, 1990
- (45) Yost, William A. Finding Sound Sources, Colorado Workshop on Otology and Audiology, Colorado, 1990
- (46) Yost, William A., Auditory Image Perception, University of South Carolina Medical School, 1990
- (47) Yost, William A. Locating Sound in Three-Dimensions over Headphones, Colorado Workshop on Otology and Audiology, Colorado, 1991
- (48) Yost, William A. Frequency and Intensity Discrimination in a Modulation Detection Inference (MDI) Paradigm, International Symposium on Auditory Physiology and Perception, Carcans, France, 1991
- (49) Yost, William A. New Developments in Psychophysics, Invited Lecture, American Speech, Hearing, and Language Association Meetings, Atlanta, 1991
- (50) Yost, William A. Sound Source Determination. Seminar for the Psychology and Linguistic Programs, University of Rochester, 1992
- (51) Yost, William A., Computer Simulations of Auditory Processing by the Peripheral Auditory System, Colorado Otology and Audiology Workshop, Colorado, 1992
- (52) Yost, William A. Yost, Sound Source Determination in Multi-source Environments, Air Force Office of Scientific Research Workshop, Dayton Ohio, 1993
- (53) Yost, William A., Perceptual Models of Localization, Audio Engineering Society Conference on Perception of Reproduced Sounds, Denmark, 1993
- (54) Yost, William A., Sound Source Determination: Across-Frequency Effects, Conference on Implantable Prosthetic Devices, Rhode Island, 1993
- (55) Yost, William A., Hot Topics in Psychological Acoustics, Acoustical Society of America, Denver, 1993
- (56) Yost, William A., The Cocktail Party Effect: Forty Years Later, Conference on Localization, Wright Patterson Air Force Base, 1993
- (57) Yost, William A., Localization in Three Dimensions, Midwest Society of Audio Engineering, Chicago, 1993
- (58) Yost, William A., Temporal Modulation and Sound Source Determination, Colorado Otology

and Audiology Workshop, Colorado, 1993

- (59) Shofner, W.P. and William A. Yost, Repetition Pitch: Auditory Processing of Rippled Noise in the Chinchilla, 10th International Symposium on Hearing: Irsee, Germany, 1994
- (60) Yost, William A. Pitch of Complex Stimuli, University of Connecticut Medical Center, Farmington, 1994
- (61) Yost, William A. Temporal Processing of Complex Pitch, APU-MRC, Cambridge England, 1994
- (62) Yost, William A., Update of Real-Time Auditory Simulations, Colorado Otology and Audiology Workshop, Colorado, 1994
- (63) Yost, William A. Pitch Strength and Modeling, Workshop on the Biological Basis of Speech Processing, ATR, Kyoto Japan, 1994
- (64) Yost, William A. Models of Pitch Strength, University of Wisconsin, 1994
- (65) Yost, William A. Pitch Strength: Is ALL in the Timing, University of Minnesota, 1994
- (66) Yost, William A. The Cocktail Party, Medical University of South Carolina, 1994
- (67) Yost, William A. The Strength of Complex Pitch, It's in the timing. University of Florida, 1994
- (68) Yost, William A. The Precedence Effect: Is there an Echo?, Colorado Otology and Audiology Workshop, Colorado, 1995
- (69) Yost, William A. Pitch of Complex Sounds, University of Maryland, College Park, 1995
- (70) Yost, William A, and Shofner, William, Auditory Animal Psychophysics, International Society for Psychophysics: Fechner Day, Cassis France, 1995
- (71) Yost, William A., Introduction to Acoustics and Psychophysics, Marine Mammals Bioacoustics Short Course, Acoustical Society of America and the Marine Biology Conference, Orlando, 1995.
- (72) Yost, William A., Sound Source Processing: Is there an Echo in Here?, University of Michigan, 1996
- (73) Yost, William A. Temporal Processing in Hearing, Colorado Otology and Audiology Workshop, Colorado, 1996
- (74) Yost, William A., Sound Source Processing: Is there an Echo in Here?, Stanford University, 1996
- (75) Yost, William A., Sound Source Processing: Is there an Echo in Here?, Callier Speech and Hearing Center, Dallas, 1996
- (76) Yost, William A., Sound Source Processing: Is there an Echo in Here?, University of California at Berkeley, 1996
- (77) Yost, William A, Sounds and their echoes, Duke University, Durham, 1996.
- (78) Yost, William A., Why autocorrelation is important for auditory processing, U.C. Berkeley, 1997.
- (79) Yost, William A. Auditory Processing of Sounds with Temporal Regularity: Auditory Processing of Regular Interval Stimuli, Symposium on Hearing, Grantham, England 1997
- (80) Sheft, Stanley and William A. Yost, Detection and Discrimination of Amplitude Modulation, Journal of the Acoustical Society of America, 1997
- (81) Yost, William A and Sandra Guzman. The Precedence Effect: Echo Processing, Association for Research in Otolaryngology, St. Petersburg Beach, 1998
- (82) Yost, William A. The role of envelope in pitch processing: Psychoacoustics and Physiology, CCRMC, Stanford University, 1998
- (83) Yost, William A. Temporal Processing of Pitch: Human Psychophysics, Animal Behavior, Neural Physiology, Craik Club Lecture, Physiology Department, University of Cambridge,

England, August, 1998

(84) Yost, William A. Sounds and Their Reflections: Is there an echo in here?, Indiana University, Psychology and Speech and Hearing, 1998

(85) Yost, William A. Temporal models of pitch processing, Acoustical Society of America, Berlin, 1999

(86) Yost, William A. The Precedence Effect: Fusion and localization dominance, Acoustical Society of America, Berlin, 1999

(97) Yost, William A. Reflections on Research and Research on Reflections, *Sursa Invited Lecture*, Indiana University School of Medicine, 1999.

(98) Yost, William A. Fundamentals of Hearing, Marine Mammal Acoustics Shortcourse, Acoustical Society of America/Office of Naval Research/Society of Marine Mammalogy, Maui, Hawaii, 1999

(99) Yost, William A. The Effects of Precedence: Fusion and Localization, Binaural Hearing, Hearing Loss, and Hearing Aids, University of Iowa Medical Center Conference, Iowa City, 2000

(100) Yost, William A. Sound Source Determination, Danavox Symposium, Denmark, 2001

(101) Yost, William A. Sound Source Determination, Hot Topics, Acoustical Society of America, Pittsburg, 2002

(102) Yost, William A. Iterated Rippled Noise: the pitch of a regular interval stimulus, International Workshop on Pitch: Neural Coding and Perception, Hanse Wissenschaftskolleg, Germany, 2002

(103) Yost, William A., What Hearing is All About: Sound Source Determination, McNeal Invited Lecture, Brown University, 2002

(104) Yost, William A, Christopher Brown, William Whitmer. The Effects of Precedence and Distance Localization, University of Leipzig and the Max Planck Institute, Leipzig, Germany, 2003

(105) Yost, William A. Temporal Properties of Pitch Processing, Tubingener Wahrnehmungskonferenz, University of Tuebingen, Tuebingen, Germany, 2003.

(106) Yost, William A, Christopher Brown, William Whitmer. The Franssen Effect and Distance Localization, NATO International Conference on Sound Localization, The Netherlands, 2003

(107) Sheft, S. and Yost, William A. Minimum integration times for processing of amplitude modulation, International Symposium on Hearing, Dordan, France, 2003

(108) Yost, William A. A Really Complicated Problem: Auditory Scene Analysis, Acoustical Society of America Meetings, New York, NY, 2004.

(109) Yost, William A. New Views on Temporal Processing in Auditory Perception, Department of Physiology, Center on the Neural Basis for Hearing, Cambridge University, Cambridge, England, 2004.

(110) Yost, William A., Pitch of Temporal Regular Stimuli, Waisman Center, University of Wisconsin, Madison, 2004.

(111) Yost, William A., Pitch of Temporal Regular Stimuli, University of Connecticut Medical Center, Farmington, 2004.

(112) Yost, William A. and Shofner, William. The critical band and the critical ratio, Journal of the Acoustical Society of America, 2005.

CONTRIBUTED (in addition, approximately 100 papers presented at the Acoustical Society of America as contributed papers are listed above as minor publications)

(1) Yost, William A., Ripple Noise: Waves in Space and Time, Communication Sciences Research Seminar, University of Florida, 1972

- (2) Feth, L.L., Green, D.M. and Yost, William A., Are there MACH Bands in Hearing?, American Speech and Hearing Association, Las Vegas, 1972
- (3) Yost, William A., Pitch of Complex Stimuli, Florida Acoustical Society Meetings, Orlando, 1974
- (4) Yost, William A., The Perception of Auditory Temporal Sequences, Communication Sciences Laboratory Lecture Series, University of Florida, 1975
- (5) Schwartz, J.M., Yost, William A. and Green, A.E.S., Gainesville, Florida Community Noise Effort, NOISEXPO, Chicago, 1975
- (6) Yost, William A., Lateralized Acoustic Waveforms, Neuroscience Lecture Series, University of Florida, 1975
- (7) Thomas, G. and Yost, William A., Frequency Recognition in Temporal Procedures, Florida Acoustical Society, Orlando, 1976
- (8) Silva, D. and Yost, William A., Binaural Processing of Transients, Florida Acoustical Society, St. Petersburg, 1976
- (9) Yost, William A., Noise Measurements on over 20,000 vehicles Traveling on Florida Roads, NOISEXPO, Chicago, 1979
- (10) Yost, William A., Noise Opinion Survey of the State of Florida, NOISEXPO, Chicago, 1979
- (11) Yost, William A. and Dye, R.T., Psychophysical Tuning Curves in Forward, Backward, and Combined Forward-Backward Masking, Association for Research in Otolaryngology, St. Petersburg Beach, 1981
- (12) Yost, William A., Masking Level Differences with Clicks, Association for Research in Otolaryngology, St. Petersburg Beach, 1982
- (13) Yost, William A., and Berg, K., Inhibition of the Eyeblink: A Possible Measure of Auditory Function. Association for Research in Otolaryngology, St. Petersburg Beach, 1984
- (14) Yost, William A. and Niemiec Andy, Reflex Modification and Auditory Function, Association for Research in Otolaryngology, Clearwater Beach, 1987
- (15) Yost, William A., Echoes, Ripple Noise, and Timbre: Iterating an Echo, Association for Research in Otolaryngology, Clearwater Beach, 1988
- (16) Yost, William A. Modulation Detection Interference: Role of Temporal Modulation in forming Auditory Objects, Midwestern Psychological Association (Symposium Presentation), Chicago, 1989
- (17) Yost, William A. and S. Sheft, Modulation Detection Interference with Narrow-Band Probes and Maskers, Association for Research in Otolaryngology, St. Petersburg Beach, 1990
- (18) Niemiec, A.J. and W.A. Yost, Behavioral Measures of Auditory Filter Shape in Chinchillas, Association for Research in Otolaryngology, St. Petersburg Beach, 1990
- (19) Yost, William A. Auditory Image Analysis: The Basis of Hearing, Association for Research in Otolaryngology, St. Petersburg Beach, 1991
- (20) Yost, William A. and Sheft, S. The effect of envelope phase in modulation detection interference, Association for Research in Otolaryngology, 1992
- (21) Shofner, William and Yost, William A. Intensity Discrimination by the Chinchilla, Association for Research in Otolaryngology, 1992
- (22) Sheft, S. And Yost, William A. Modulation detection interference with complex modulators, Royal Society Meeting, London, England, 1991
- (23) Shofner, William, Yost, William A., and Sheft, Stanley Effects of Masker Level and Bandwidth Conditions on Noise Increment Detection in the Chinchilla, Association for Research in Otolaryngology, St. Petersburg Beach, 1993
- (24) Yost, William A., Allerhand, Mike, Zhang, Robinson, Ken, and Patterson, Roy, The Pitch

and Pitch Strength of Iterated Ripple Noise, Association for Research in Otolaryngology, St. Petersburg Beach, 1993

(25) Patterson, Roy D, Allerhand Mike, Zhang, C. Robinson, Ken, Yost, William A., Measuring and Modeling the Pitch Strength of Iterated Ripple Noise, Association for Research in Otolaryngology, St. Petersburg Beach, 1993

(26) Hotaling, A.J., Blank, C.R., Park, A.H., Matz, G.J., Yost, W.A., and Raffin, M.J.M., Distortion-Product Otoacoustic Non-Emissions, American Auditory Society, Halifax, 1994

(27) Hotaling, A.J., Blank, C.R., Park, A.H., Matz, G.J., Yost, W.A., and Raffin, M.J.M., Distortion-Product Masquerades of Emissions, American Speech Hearing and Language Association, New Orleans, 1994

(28) Yost, William A. Pitch Strength of Iterated Rippled Noise when the Pitch is Ambiguous, Association for Research in Otolaryngology, St. Petersburg Beach, 1995

(29) Yost, William A. Pitch Strength of Iterated Rippled Noise, Association for Research in Otolaryngology St. Petersburg Beach, 1996

(30) Dye, R.H., Stellmack, M.A., and Yost, William. A. Assessing the relative contribution of frequency components to perceived laterality, Psychonomic Society, Chicago, 1996

(31) Shofner, W.P. and Yost, W.A. Discrimination of rippled-spectrum noise from flat-spectrum noise in chinchillas: Effects of noise bandwidth. Association for Research in Otolaryngology, St. Petersburg Beach, 1996

(32) Guzman, Sandra and Yost, W.A. Perceptual fusion of clicks: The precedence effect. Association for Research in Otolaryngology, St. Petersburg Beach, 1997

(33) Yost, William A. Defining the limits of pitch: Iterated rippled noise. Association for Research in Otolaryngology, St. Petersburg Beach, 1997

(34) Yost, William A. Pitch strength discriminations involving regular interval stimuli, Association for Research in Otolaryngology, St. Petersburg Beach, 1999

(35) Guzman, Sandra and Yost, W.A. Effects of immediate prior acoustic experience on localization and lateralization of reflections. Association for Research in Otolaryngology, St. Petersburg Beach, 1999

(36) Yost, William A. Interval order in Regular Interval Stimuli, Association for Research in Otolaryngology, St. Petersburg Beach, 2000

(37) Mapes-Riordan, Dan and Yost, W.A. Pitch strength of ordered vs shuffled click-train regular interval stimuli, Association for Research in Otolaryngology, St. Petersburg Beach, 2000

(38) Brown, C.A, Sheft, S.E., Dye, R.H., and Yost, W.A. Localization of Noise Bursts in Echoic Space, Association for Research in Otolaryngology, St. Petersburg Beach, 2001

(39) Whitmer, W.M. and Yost, W.A. Parameter Considerations for the presence and breakdown of the Franssen Effect, Association for Research in Otolaryngology, St. Petersburg Beach, 2001

(40) Whitmer, William M., Yost, William A., & Dye, Raymond H., Jr., Parameter Considerations for the Presence and Breakdown of the Franssen Effect, Association for Research in Otolaryngology, St. Petersburg Beach, 2001.

(41) Brown, C.A. and Yost, William A. Distance judgements in a reverberant room. Association for Research in Otolaryngology, St. Petersburg Beach, 2002.

(42) Brown, C.A. and Yost, William A. Distance Judgments improve with exposure to the acoustic environment, Auditory Perception, Cognition, and Action Meeting, Kansas City, 2002.

(43) Sheft, Stanley and Yost, William A. Envelope-Phase Discrimination, Association for Research in Otolaryngology, St., Daytona Beach, 2004.

(44) Sheft, Stanley and Yost, William A. Modulation Masking of Synchrony Detection, Association for Research in Otolaryngology, New Orleans, 2005.

NON-RESEARCH PRESENTATIONS

- (1) Yost, William A., The Audition Programs at the University of Florida, Florida Acoustical Society, 1974
- (2) William A., Florida's Model Noise Ordinance, panel discussion, Orlando, Florida, 1975
- (3) Yost, William A., National and International Standards Pertaining to Noise and Speech, American Academy of Forensic Sciences, New Orleans, 1980
- (4) Yost, William, A., An Undergraduate Laboratory for Sensory Physiology and Perception, American Science Teachers Conference, Chicago, 1982.
- (5) Graduate Education in Illinois, Workshop Panel Member at Illinois Psychological Association Meeting, Chicago, November 1985
- (6) Yost, William A, Where Will We Find and How We Train the E.O. Lawrence of 21st Century, Science Museum, University of California Berkeley, 1989
- (7) Yost, William A., Sound Waves: What We Hear, Instructional Video, Loyola University Center for Instructional Design, 1990
- (8) Yost, William A., Speech and Hearing Sciences: An Alternative to Psychology, The Colorado College, 1990.
- (9) Yost, William A. Interdisciplinary Teaching, Workshop, for The Teaching Culture at Loyola University Chicago, January, 1994
- (10) Yost, William A. Chair-Organizer, Workshop on Computers in Teaching and Learning, for The Teaching Culture at Loyola University Chicago, January, 1995
- (11) Yost, William A. Chair-Organizer of two Workshops on Computers in Teaching and Learning, for The Teaching Culture at Loyola University Chicago, January, 1996
- (12) Yost, William A., Interview, National Public Radio, Sound Annoyance, 1997
- (13) Yost, William A. Study of Comparative Sensory Neuroscience: The Parmlly Hearing Institute, Neuroscience and Aging Institute, Loyola University Chicago, Retreat, Starve Rock, IL, 1998
- (14) Many speeches at Loyola University Chicago associate with position of Associate Vice President for Research and Dean of The Graduate School, 2001-2004
- (15) Workshop on Sound and Hearing, Biocommunication Conference, University of Maryland (co-sponsored by the Acoustical Society of America), College Park, 2003

CURRENT and PAST GRANTS and OTHER FUNDING

CURRENT Research Grants

National Institute for Deafness and Other Communication Disorders (NIDCD), Fine-Structure Processing in Auditory Perception, \$1,110,000, 2004-2009, Principal Investigator
DARPA, Science Education and Research, \$4,950,000, 2002-2005, Investigator, (Original P.I.-2002-2004).

PAST GRANTS

PRINCIPAL INVESTIGATOR

Local Grants

Operating Capital Outlay (OCO) Grant A-2, University of Florida, 1971, \$2,318
Operating Capital Outlay (OCO) Grant A-32, University of Florida, 1972, \$6,500
Social Sciences Grant, University of Florida, Awarded 1972, \$1,050

Federal or State Grants

National Institutes of Health, Interaction of Interaural Time and Intensity, 1973-1975,

\$36,146

Florida Department of Environmental Regulation, Contract to analyze community noise, University of Florida, 1975-1976, \$2,000

National Institutes of Health, Strength of the Pitch of Complex Stimuli, NS12409-01, awarded 1975, \$85,530 for 3 years (Did not accept in order to accept NSF award BMS7510094)

Florida Department of Environmental Regulation, Contract to analyze community noise, University of Florida, 1976-1977, \$6,000

National Science Foundation, Undergraduate Scientific Instructional Equipment, 7511585, 1974-1976, \$19,600

National Science Foundation, Strength of the Pitch of Complex Stimuli, BMS7510094, 1975-1978, \$90,700

National Institutes of Health, Measures of Auditory Sensitivity and Discrimination in Young Children, Contract, 1975-1979, \$418,992

National Institutes of Health, Temporal Sequencing in Binaural Processing, 1976-1980, \$114,729

National Science Foundation, Pitch of Complex Stimuli, 1978-1981, \$79,334

National Science Foundation, Binaural Processing of Temporal Sequences, 1979-1982, \$157,500

National Science Foundation, Pitch of Complex Stimuli, 1981-1987, \$421,000

National Science Foundation, BNS8119027, 1982-1984, \$45,000

National Science Foundation, ECS-8308566, 1983-1987, \$179,000

National Institutes of Health (NINCDS), RO1-NS21196, 1984-1985, \$44,000

Air Force Office of Scientific Research, 84-0332, 1985-1988, \$210,000

Air Force Office of Scientific Research - Conference (Life Sciences), 1985-1986, \$25,300

Department of Defense (DOD), University Research Instrumentation Program, 1987, \$71,000

Office of Naval Research (ONR), Classification of Complex Sounds Conference, 1990-1991, \$6,078

National Institutes of Health (NINCDS), PO1-NS21917-01-04 (1985-1988) and P50-DC000293-05-08 (1988-1993), Program Project Grant, 1985-1993, \$3,700,000

National Institute of Health Small Instrumentation Grant, 1993-1994, \$23,500

NIDCD, ARO Conference Grant, DC00275-05-010, 1989-1994, \$145,000

Air Force Office of Scientific Research, 89-0332, 1989-1992, \$334,000

Air Force Office of Scientific Research AASERT Graduate Dissertation Grant, 1993-1996, \$65,000

National Institutes of Health, National Institute of Deafness and Other Communications Disorders (NIDCD), Program Project Grant, P010-DC000293 (renewal), 1993-1998, \$5,345,000

Air Force Office of Scientific Research (AFOSR), 1993-1996, \$370,000

Air Force Office of Scientific Research (AFOSR), 1996-1999, \$398,586

Air Force Office of Scientific Research ASSERT Graduate Dissertation Grant, 1997-2001, \$165,000

Fund for the Improvement of Postsecondary Education (FIPSE), Department of Education, Undergraduates Unrepresented in Science, 2001-2003, \$85,000

National Institutes of Health, National Institute of Deafness and Other Communications Disorders (NIDCD) P010-DC000293 (renewal), 1998-2004, \$7,345,000

CO-PRINCIPAL INVESTIGATOR

Local Grants

Florida Department of Pollution Control Grant to coordinate Community Noise Studies ,to

Interdisciplinary Center for Aeronomy and other Atmospheric Sciences, 1973, \$6,800.
(Matched in part by the City of Gainesville and the Florida Department of Pollution Control)

Division of Sponsored Research Seed Money Grant, University of Florida, Binaural Hearing in Water and in Air, 1974, \$12,000

Florida Department of Environmental Regulation and United States Environmental Protection Agency (EPA) Grant, Noise-Contour Mapping, 1975-1977, \$18,000

Federal or State grants

National Science Foundation, ISEP Program for Undergraduate Equipment, 1980-1983, \$29,450

National Institutes of Health Contract, 1980-1983, \$103,000

National Institutes of Health ARO Meeting Grant, 1985-86, \$72,000.

Air Force, Contract on Auditory Classification, 2001-2003, \$66,000

INVESTIGATOR

National Institutes of Health Program Project Grant, Communication Sciences, 1971-1973, \$1,100,000

National Institutes of Health Training Grant, Communication Sciences, 1971-1973, \$86,000

National Institutes of Health Program Project Grant, Communication Sciences, 1973-1977, \$1,750,000

National Institutes of Health Training Grant, Communication Sciences, 1974-1977, \$93,000

National Science Foundation, CAUSE Program for Centers of Excellence, Psychology, 1977-1980, \$55,000

National Science Foundation, Undergraduate Scientific Equipment for Laboratories in Experimental Psychology, 1989-1991, \$29,000

National Institutes of Health, NIDCD, ARO Conference Grant, DC00275-05-012, 1994-1999, \$155,000

National Science Foundation, Internet 2 (High Performance Network Connection), \$150,000, 2002-2004, Investigator

PRIVATE FOUNDATIONS AND GIFTS

Goldenberg Foundation, 1988-1997, \$12,000, Co-Principal Investigator

Mie Kim Najita Family, 1989-2002, \$11,000, Principal Investigator

GRANTS/CONTRACTS AS ASSOCIATE VICE PRESIDENT FOR RESEARCH AND DEAN OF THE GRADUATE SCHOOL

FIPSE, Department of Education, Life Sciences Equipment, \$496,750, 2002-2004, Principal Investigator; 2003-2004

Illinois Department of Commerce and Community Affairs (DCCA), Life Sciences Education and Research Building project, 2002-2004, \$11,000,000, Project Co-Director

Mellon Foundation Special Events Fund, \$80,000/year (\$240,000), 2000-2003, Fund Administrator

Schmitt Foundation, Schmitt Foundation Dissertation Fellowships, \$200,000, 2000-2004, Fund Administrator

Illinois Consortium for Educational Opportunity Program (ICEOP) and Illinois Minority Graduate Incentive Program (IMGIP), Illinois Board of Higher Education, \$1,345,000, 2000-2004, Fund Administrator.

PROFESSIONAL ACTIVITIES

SOCIETIES, SOCIETY OFFICES, SOCIETY MEETINGS

Association for Research in Otolaryngology (ARO):

President-Elect, 1987 (elected in 1986)

President, 1988

Chair, Organizing Committee for 1989 Midwinter Meeting

Past President, 1989

Chair, Nominating Committee, 1989-1990

Secretary-Treasurer, 1984-1987 (elected in 1983)

Organizer of Midwinter Meetings of ARO, 1985, 1986, and 1987

Manager ARO Office, 1987-1992

Member, Research Coordinating Council, American Academy of Otolaryngology/

Head and Neck Surgery, 1988-1990

Member-Award of Merit Committee, 1993-94

Member Journal of ARO (JARO) Steering Committee, 1999-2004

Member, By-Laws Committee, 2002-2004

Member Government Relations Committee, 1993-

Acoustical Society of America (ASA):

President Elect-2004 (elected in 2004)

Publication Board

External Affairs Council

President-2005

Chair, Executive Council

Acoustical Society Foundation

Financial Affairs Council

Past President-2006

Chair, Nominating Committee

Internal Affairs Council

Vice President Elect-2001 (elected in 2001)

Committee on Meetings

Committee on Women in Acoustics

Vice President-2002

Chair, Technical Council

Past Vice President-2003

Liaison, Student Council

Member of the Executive Council (elected in 1999 for the term 2000-2003), 2000-2006

As Vice President (2002-2004)

As President (2004-2006)

Vice-Chair, Financial Committee (2000-2001)

Chair, Financial Committee (2001-2003)

Chair, Psychological and Physiological Technical Committee and member of Technical Council, 1990-1993

Member, Psychological and Physiological Technical Committee of the Acoustical Society of America, (ad hoc 1974-1977, elected 1980-1985, ad hoc 1987-1991, 1997-2001):

Chair, Special Committee to Study Publication Rates of the Acoustical Society of America, 1974-1975

Chair, Sub-Committee on Meeting Presentation Guidelines, 1977-1978
 Chair Sub-Committee on Membership, 1985-1987
 Member, Awards and Medals, 1997-2001
 Member, Ethics and Grievance Committee, 1998-2000
 Member, Education Committee, 1981-1987, 1987-1990
 Member, Ad Hoc Committee on Development, 1989-1991
 Member Committee on Meetings, 2002-2004
 Member, Editorial Board, 1983-1991
 Alternate, Membership Committee, 1989, 1991, 1995
 Organizer-Perception and Psychophysics- Joint Meeting of the Acoustical Society of
 America Acoustical Society of Japan, Hawaii, 1996
 Member, Audit Committee, 2003-2005
 Chair, Audit Committee, 2004-2005
 Program Chair, Joint Acoustical Society of America (ASA)-European Acoustical
 Association (EAA) Meeting, Paris, 2008
 Standards Activities for the Acoustical Society of America (ASA) and American National
 Standards Institute (ANSI)
 Member, ANSI Working Group S12, W/G 42-Classroom Acoustics, 1999-2004
 Executive Oversight Committee, 1999-2001
Individual Expert S3 Accredited Standards Committee on Bio-Acoustics, 1983-
 Chair S3.78 Working Group on Auditory Thresholds, 1986-
 Coordinator of Vote of United States on ISO document 389:1985/DAM 1
 Coordinator on recommendation to reaffirm ASA Standard S3.4-1980
 Member of the Acoustical Society of America Committee on Standards (ASACOS,
 Maintains secretariat for the American National Standards Institute, ANSI) 1975-
 1991
 Member of Publication Board (1976-1984), Nominating Committee, 1978-83
 Chair, 1979
 Co-Chairman for the Environmental Protection Agency's Workshop on International
 Standards (Washington, D.C., 1980)
 Vice-Chair S3 Standards Committee on Bio-Acoustics, 1976-1988
 Alternate, S3 Standards Committee on Bio-Acoustics, 1985-1991
Chair, S3 Accredited Standards Committee on Bio-Acoustics, 1978-1984
 Chair of Biannual Meetings of the S3 Committee, 1978-1984
 Member S3.52 Working Group on Auditory Magnitudes, 1980-1984
 Member S3.70 Working Group on Manikins, 1979-1983
 Member S3.75 Working Group on Computerized Audiometry, 1982-1985
 Coordinator of United States Position or Vote on International
 (IEC and ISO) Draft Standards
 Appeals Board for Appeals on ASA Standards, 1986
 American Speech-Language-Hearing Association (ASLHA):
 Elected Member of Special Interest Division 6 Steering Committee: Hearing and Hearing
 Disorders-Physiology and Psychoacoustics, 1991-1994
 American Auditory Society (AAS):
 Member Executive Board as the elected representative of the Hearing Sciences, 1994-1998
 Florida Acoustical Society:
 Officer of the Florida Acoustical Society, 1973-1977

President-Elect Florida Acoustical Society, 1975-1976

President, Florida Acoustical Society, 1976-1977

MEETING OR SYMPOSIA CHAIR OR ORGANIZER:

- a) Organizer and Chair, Florida Acoustical Society Meeting, University of Florida, 1973
- b) Chair, Masking Session Acoustical Society of America Meeting, Miami, 1976
- c) Organizer and Chair, Perception Session, Midwestern Psychological Society Meeting, Chicago, 1977
- d) Organizer, Florida Acoustical Society Meeting, Gainesville, Florida, 1977
- e) Organizer, Florida Acoustical Society Meeting, Orlando, Florida, 1977
- f) Chair, Pitch, Loudness and Intensity Hearing Session, Acoustical Society of America Meetings, Atlanta, 1980
- g) Chair, Binaural Hearing Session, Acoustical Society of America Meetings, Los Angeles, 1980
- h) Chair, Pitch and Musical Sounds Session, Acoustical Society of America, Ottawa, 1981.
- i) Chair, Psychophysics Session, Association for Research in Otolaryngology, St. Petersburg Beach, 1981.
- j) Chair, Psychophysics Session, Acoustical Society of America, Orlando, 1982
- k) Chair, Invited Symposium on Directional Hearing: A Review of the State-of-the-Art, Acoustical Society of America, Cincinnati, 1983
- l) Organizer and Co-Chair, Invited Symposium, New Directions in Hearing, National Academy of Sciences Committee on Hearing, Bioacoustics and Biomechanics, Washington, D.C., 1983
- m) Organizer and Chair, Invited Symposium, Auditory Processing of Complex, Non-Speech Signals, Association for Research in Otolaryngology, Clearwater Beach, 1985
- n) Co-Organizer and Co-Chair, Special Workshop on Complex Sound Perception, Sarasota, Florida, sponsored by Air Force Office of Scientific Research, 1986
- o) Co-Chair of ARO Midwinter Meeting Programs, 1984-1987
- p) Meeting Organizer 1989 Midwinter Meeting of the Association for Research in Otolaryngology, St. Petersburg Beach, Florida, 1989
- q) Chair, Symposium on Localization by Humans and Applications, CHABA Symposium, Washington D.C. 1988
- r) Chair and Organizer, Symposium on Auditory Object Perception, Midwestern Psychological Association, Chicago, 1989
- s) Co-Chair, ONR Conference on the Classification of Complex Sounds, St. Petersburg Beach, 1990
- t) Organizer and Chair, Complex Sound Session, Acoustical Society of America, San Diego, 1990.
- u) Co-Chair, Human and Animal Psychophysics, Midwinter Meeting of the Association for Research in Otolaryngology, St. Petersburg Beach, Florida, 1992
- v) Co-Chair, Human Psychophysics and Noise, Midwinter Meeting of the Association for Research in Otolaryngology, St. Petersburg Beach, Florida, 1992
- w) Co-Chair, Modulation Detection and Temporal Effects, Special Contributed Session in Honor of Eberhard Zwicker, Acoustical Society of America, Salt Lake, City, 1992
- x) Chair, Psychological and Physiological Collaborations, Acoustical Society of America, Ottawa, 1993
- y) Chair and Organizer, Pitch and Temporal Processing, Acoustical Society of America, Washington DC, 1995
- z) Chair, Psychological Acoustics, Acoustical Society of America, St. Louis, 1995

- a1) Chair and Organizer, Special Session on Psychoacoustics and David M. Green, Acoustical Society of America, Indianapolis, 1996
- a2) Co-Chair, Timbre and Frequency Analysis, Acoustical Society of America, Hawaii, 1996
- a3) Chair, Plenary Lecture, by E. Young, B. Calhoun, J. Yu, and I. Nelken, Acoustical Society of America/International Congress of Acoustics, Seattle, 1998.
- a4) Co-Chair, Current Auditory Models in Psychological and Physiological Acoustics, Acoustical Society of America/European Acoustic Associations, Berlin, Germany, 1999.
- a5) Chair, Pitch Session, International Hearing Symposium, Meirlo, The Netherlands, 2000.
- a6) Chair, Auditory Scene Analysis, Danavox Symposium, Denmark, 2001.
- a7) Chair, History of Psychological Acoustics, Acoustical Society of America, Chicago 2001
- a8) Chair, Sound Source Segregation, Danavox Symposium, Denmark, 2001
- a9) Chair, Pitch Perception, International Symposium on Hearing (ISH), France, 2003

TASK FORCES, SPECIAL COMMITTEES, ETC

Task Force of National Institute of Neurological Diseases and Communication Disorders and Stroke to revise the MEDLARS reference data base of the National Library of Medicine for the Speech, Hearing and Language Professions, 1978-1985

Distinguished Visitor Program, American Psychological Association, 1978-1989

National Research Council (NRC) and National Academy of Sciences (NAS):

Task Force of the National Academy of Sciences to establish a National Psychoacoustics Laboratory, 1977

National Research Council and National Academy of Sciences' *Committee on Hearing, Bioacoustics and Biomechanics (CHABA)*:

(a) Advisor, 1978-1997

(b) Member Executive Committee CHABA, 1981-1982, 1983-1987, 1992-1997

(c) Chair of CHABA - 1993-1997

(d) Member, Planning Committee for CHABA Special Symposium on New Directions in Hearing, 1983

(e) Chair, Working Group, 100, Classification of Complex Sounds 1987-1989

(f) Primary Reviewer Working Group 91 - Reliability in Audiometry

(g) Member Panel for Future Direction for CHABA, 1987

(h) Chair, Committee to Organize Localization Symposium, 1988-89

Member Task Force on Behavioral, Cognitive, and Sensory Sciences, 1993-97.

Member National Research Council Board on Behavioral, Cognitive, and Sensory Sciences

(BBCSS), 1997-2005.

Member, Committee on Future Directions for Cognitive Research on Aging, 1999-2000. (sponsored by the National Institutes on Aging). Produced a book published by the National Academy Press, "The Aging Mind."

Liaison to the Working Group on Review of Use of Human Subjects in Research Policies (IRB) in the Social and Behavioral Sciences, 2001-2003. Produced a book published by the National Academy Press, "Protecting Participants and Facilitating Social and Behavioral Sciences Research."

Member, Working Group on Hearing Disability and the Social Security Administration, 2002-2004. Produced a book published by the National Academy Press, "Disability Determination for Individuals with Hearing Impairments."

National Institutes of Health:

Task Force on the National Strategic Plan for the National Institute for Deafness and Other Communication Disorders of the National Institutes of Health, 1989-1990:

(a) Member of Hearing Panel

(b) Chair, Panel for National Clearinghouse for Deafness and Other Communication Disorders

Task Force Member and Workshop Participant on Developing the Training Mission for the National Institute of Deafness and Other Communication Disorders, 1989

Friends for the National Institute of Deafness and Other Communications Disorders Coordinator, State of Illinois, 1989-1993

American Psychological Society (APS)--Member 1998 Summit representing the Acoustical Society of America, 1998.

Office of Naval Research (ONR) -- Workshop on Sound and Marine Animals, Invited Panel Member, Hearing, 1998.

Biological Sciences Consulting Services (BSCS)-National Institute of Health Project to Develop a Middle School Curriculum on Sound and Hearing, Colorado Springs, 2000

Co-Chaired and Co-Taught Workshop on Hearing and Sound, associated with the International Conference on Animal Biocommunications, University of Maryland and the Acoustical Society of America, 2003

GRANT REVIEWING

National Institutes of Health

Member, Study Section on Communication Disorders-Primary Reviewer, 1989

Member, Communication Disorders Review Committee (CDRC), 1990-1994

Chair of CDRC - 1993-1994 (including P.I. of CDRC administrative grant of \$525,000 administrated by the Parmlly Hearing Institute and Loyola University Chicago)

Member, Small Business Initiative Research (SBIR) Review Study Section, 1987, 1992, 1995, 2003

Member of Special Study Sections (IRGs), National Institutes of Health and National Institute of Mental Health, 1978, 1983, 1994

Ad Hoc (External) Reviewer, National Institutes of Health: National Institute of Neurological Disease Communication Disorders and Stroke (NINCDS -1982, 1984, 1985), National Institute of Mental Health (NIMH-1980), National Institute of Aging (NIA-1983), National Institute of Deafness and Other Communication Disorders (NIDCD, 1993, 1995, 1998, 1999, 2000, 2001, 2002, 2003, 2005).

NORA Review Panel on Noise Induced Hearing Loss, National Institute for Occupational Safety and Health and Center for Disease Control and Prevention, 1999, 2000

Member NIH R03 review panel, 1999, 2001

Member NIH R25 review panel, 2000

Member NIH P30 review panel, 2001, 2003

National Science Foundation

Member of the Advisory and Review Panel for Sensory Physiology and Perception, National Science Foundation, 1980-1984, 1986-1988

Chaired Advisory and Review Panel for Sensory Physiology and Perception as Program Director at the National Science Foundation, 1981-1983

Ad Hoc Reviewer, National Science Foundation: Programs of Psychobiology, Sensory Physiology and Perception, Automation, Bioengineering and Sensing Systems,

Science and Technology to Aid the Handicapped, Cognitive and Memory Processes,
Linguistics
Office of Naval Research (ONR) -- Sound and Marine Animals Program, Reviewer, 2000, 2002,
2003, 2004
Veterans Administration—Review Panels 1988, 1994,
Neurobiology – C Study Section, 2005
Tinnitus Research Consortium, 2005-
Ad Hoc Reviewer Air Force Office of Scientific Research, Office of Naval Research,
Environmental Protection Agency, Department of Energy, Department of Education,
DARPA, Canada Fisheries and Ocean's Program

EDITORSHIPS, REVIEWING, ETC

Associate Editor, Perception and Psychophysics, 2001-2006
Member, Publication Board Journal of the Association for Research in Otolaryngology (JARO),
1999-2003
Associate Editor, Behavioral Auditory Neurosciences, Journal of Auditory Neuroscience,
1994- 1997
Associate Editor, Psychological Acoustics, Journal of the Acoustical Society of America, 1987-
1992
Associate Editor, Standards News, Journal of the Acoustical Society of America, 1983-1987
Advising Editor-Handbook of Perception (Bruce Goldstein, Editor), Blackwell Publishers,
Ltd., 1997-2000
Ad Hoc Reviewer: Journal of the Acoustical Society of America, Perception and Psychophysics,
Audiology, Journal of Speech and Hearing Research, Journal of Experimental Psychology,
Ear and Hearing, Hearing Research, Psychological Bulletin, Science, Nature, Quarterly
Journal of Psychology, Contemporary Psychology, Theoretical Biology, Nature-
Neuroscience, Trends in Neuroscience
Reviewer for Holt, Rinehart Winston; Random House; Wiley Press; Oxford Press; Academic
Press; Springer-Verlag, University Park Press, Raven Press, John Wiley and Sons,
Erlbaum Press (consultant, 1992-1994)
Reviewer for Special Paper Award, Journal of Speech and Hearing Research, 1979
Judge for the Sigma Xi Graduate Student Research Forum, Loyola University Chicago, 1981
Science Fair Judge - Chicago Public Schools Finals, 1985, 1987, 1988, 1992, 1995, 1996, 1998

ENVIRONMENTAL NOISE ACTIVITIES

Chair of the City of Gainesville Committee that rewrote Gainesville's Noise Ordinance, 1971-
1972
Chair of the City of Gainesville's Committee to review Noise Problems, 1972-1977. Advisor to
City of Jacksonville, Lake County, and Alachua County, Florida on Noise and Land Use
Issues, 1971-1979
Advisor to the State of Florida, Environmental Regulation Division, 1973-1977
Ad Hoc Advisor to the Federal Environmental Protection Agency (EPA), 1974-1982
Chair, Illinois Coalition for Noise Control, 1982-1983

ADVISORY BOARDS

University of Iowa Cochlear Prosthesis Program, 2001-
Center for Comparative and Evolutionary Biology of Hearing (C-CEBH), University of Maryland,

2003 Chair (2004-2005) -
Member of the Science Advisory Council (SAC), House Ear Institute, Los Angeles, 1995-1998,
2005
Center for the Neural Basis of Hearing (CNBH), University of Cambridge and the MRC,
Cambridge England
Hearing-Aid Project, University of Illinois, 1999-2004

UNIVERSITY ASSOCIATIONS AND INSTITUTES

Associate Member of the Center for Neurobiological Sciences at the University of Florida, 1971-
1977
Member of Interdisciplinary Center for Aeronomy and other Atmospheric Sciences, University of
Florida, 1971-1977
Member of Cognitive and Brain Sciences Program, University of Florida, 1975-1976
Member, Linguistics Studies Program, Loyola University Chicago, 1980-1985
Member, Neuroscience and Aging Institute, Loyola University Chicago, 1986-2001
Member of Advisory Board, 1991-1997, 1999-2001
Member, Advisory Board, Center for Ethics and Social Justice, Loyola University Chicago, 2003-

CONSULTING

Consultant-Medical University of South Carolina, Department of Otolaryngology, Binaural
Hearing, 1993-1994.
Consultant on Hearing, Environmental Noise, and Land Use Planning
Expert Witness on Issues Pertaining to Noise and Hearing
General Consulting in the Areas of Hearing
General Consulting on Academic Research Administration and Management
Ad Hoc Consultant, National Institutes of Health, NINCDS, NIDCD
Ad Hoc Consultant, Florida Department of Environmental Regulation, 1974-1977
Ad Hoc Consultant Environmental Protection Agency (EPA) on Noise, 1978
Consulting Editor, Random House College Division, Speech and Hearing, 1978-1986

OTHER COMMUNITY ACTIVITIES

President, Evanston Tennis Association, 1983-1984
Chair or Co-Chair, Fourth of July Tennis Tournament (Evanston Recreation Department), 1984-
1985, 1988-1989, 2004, 2005
Chair, Evanston Tennis Tournaments and Leagues (Evanston Recreation Department), 1986-
Assistant Tennis Coach, Men's and Women's Tennis, Evanston Township High School, 1991-
1993
The Colorado College Alumni Gift Giving Committee, 1996-1997
The Colorado College Primrose Science Center Committee, 1998-1999
The Colorado College Tutt Science Building Committee, 1999-2002

PROFESSIONAL AFFILIATIONS

The Acoustical Society of America (Fellow)
American Association for the Advancement of Science (Fellow)
American Speech-Language-Hearing Association (Fellow)
American Psychological Society (Charter Member, Fellow)
American Psychological Association

Sigma Xi
Association for Research in Otolaryngology
American Auditory Society
Midwestern Psychological Association
International Psychophysics Society
Psychonomics Society
American Academy of Audiology (Affiliated Member)
Council of Scientific Society Presidents (2004-2006)

UNIVERSITY COMMITTEES

LOYOLA UNIVERSITY CHICAGO

Fellowship Review Committee, Graduate School, 2004-2005
Grievance Committee, Psychology Department, 2004-2005
Research Resource Committee, Psychology Department, 2004-2005
Chair, Task Force on Faculty Responsibilities, 2002-2003
Co-Chair, Task Force on Research and its Integration into Academics: Centers of Excellence, 2003-2004
Chair, Search Committee for the Dean of the College of Arts and Sciences, 2001-2002
Chair and Project Director-Life Sciences Education and Research Building Project, 2000-2004
Co-Chair Gateway to Science Committee, 2001-2004
Ad Hoc Member: Institutional Review Board for Human Subjects, Radiation Safety Committee, Biosafety-Labsafety Committee, Animal Care Committee, Patent Committee, Summer Research Leaves Committee, Teaching Fellows Committee, Special Graduate Fellows and Stipend Committee, Council of Graduate School Programs, Lakeside Research Committee, 1999-2004
Member, Provost Advisory Committee, 2002-2004
Member, Learning Initiative Group, 2003-2004
Member Deans Council, 1999-2002
Member, Academic Cabinet, 2001-2002
Member, Associate Vice Presidents Council, 1999-2002
Chair, Extramural Support Administrative Committee, 2000-2003
Member, Research Leaves Task Force, 2000-2002
Member, Search Committee, Associate Vice President for Research, 1999
Member, Loyola 2000 Academic Proposal Committee, 1999
Research Liaison, Graduate School, 1996-1999
Member, Council of Graduate School Programs, 1995-2000
Member, Council of College of Arts and Sciences Chairs and Program Directors, 1998-2000
Member, Center for Interdisciplinary Programs, 1998-2000
Member, Research Committee of Faculty Council, 1992-2000
Ad hoc Committee to Evaluate Research Infrastructure at Loyola University Chicago, 1997-1999, Co-Chaired Arthur Andersen Consulting Report on Research Administration at Loyola, 1998
Member, Information Technology Steering Committee, 1991-1995, 1998-2000
Member, Subcommittee on Research, 1999
Chair, Interdisciplinary Neuroscience Minor Executive Committee, 1997-2000
Chair, Committee for Proposing the Interdisciplinary Neuroscience Minor, 1996-1997
University Research Committee (1979-1985) (1988-1991) (1996-1999)

Chair, Subcommittee for Faculty Research Support, 1980-1981
 Drafted a Policy for Faculty Salary Return (Research Stimulation Fund), 1981
 Chair, Subcommittee to draft a Copyright and Patent Policy for Loyola University
 Chicago, 1983
 Chair, Subcommittee on Bridging for Extramural Support, 1988-1989
 Member, Subcommittee on Research Infrastructure, 1996-1998
 Chair, Subcommittee on Institutes/Centers, 1998
 Member, Subcommittee on Grants and Contracts USERS Committee, 1998-
 Chair-1999-2000
 Chair, Committee on University-Wide Academic Computer Services (CUWACS), 1991-1996
 Ad Hoc Committee on Computers in Teaching and Learning, 1991-1998
 Chair, Ad Hoc Committee to write NSF ARI Grant, 1993
 Ad Hoc Committee on Research, 1993-1995
 Chair, Search Committee (Re-Search), Dean of the Graduate School, 1994-1995
 Ad hoc member on search committee for Associate Vice President for Research
 Member, Search Committee, Dean of the Graduate School, 1993-1994
 Graduate Program Review
 Department of Physiology, 1990
 Neurosciences, 1993
 Pharmacology and Experimental Therapeutics, 1999
 Allied Health Committee, 1991-1992
 Graduate School Fellowship Committee, 1991-1994
 Life Sciences Research Building Committee, 1991-1996
 Life Sciences Bridging Committee, 1996-1997
 Animal Care Facility Renovation Committee, 1998
 Committee on Academic Uses of Computers, 1977-1980
 Research Services Advisory Committee, 1978-1979
 Tenure and Promotion Committee, Psychology Department, 1978-1985
 Chair, Committee on Research Centers and Institutes, Graduate School, 1979-1980
 Faculty Council (elected for the term 1979-1981)
 Committee on University Resources, 1980-1981
 Committee on Committees, 1980-1981
 Animal Welfare Committee, 1983-1986
 Psychology Department Executive Committee, 1983-1986
 Chair, Teaching Development Committee, Psychology Department, 1985-1986

UNIVERSITY OF FLORIDA

University Committee for the Protection of Human Subjects (IRB)
 Environmental Committee
 Committee to Review NSF Undergraduate Equipment Grants
 Mathematics in Psychology Committee
 Chairman Shop Committee, Speech Department

COURSES TAUGHT

LOYOLA UNIVERSITY CHICAGO

Statistics, Audition Laboratory (renamed Laboratory in Hearing and Speech), Experimental
 Seminar: Decision Theory, Psychology and Biology of Perception, Brain and Behavior, Seminar

in Sensory Processing, Research Methods in Sensory Science, Laboratory in Experimental Psychology/Sensation and Perception, Graduate Hearing, Digital Signal Processing, Seminar in Neuroscience, Laboratory in Neuroscience I, Laboratory in Neuroscience II, Seminar in Neuroscience, Laboratory in Perception (Speech Production & Auditory and Speech Perception)

Thesis And Dissertations

Master and Ph.D. Committees, Psychology (35)

Chairman of:

Robert Lutfi, Ph.D., 1979, Psychology
Joseph Baumann, M.A., 1983, Psychology
Andrew Niemiec, Ph.D., 1991, Psychology
Mark Stellmack, Ph.D., 1992, Psychology
Tony Grange, M.A., 1994, Psychology
Dan Mapes-Riordan, M.A., 1997, Psychology
Sandra Guzman, Ph.D., 1999, Psychology
Dan Mapes-Riordan, PhD, 2000, Psychology
Christopher Brown, PhD, 2004, Psychology

Post-Doctoral Fellows

Dr. Gregory Sandell, 1995-1998, Music Perception, Psychoacoustics
Dr. Roel Delhayne, 1999-2003, Psychoacoustics

UNIVERSITY OF FLORIDA

Fundamentals of Hearing, Auditory Perception of Speech, Psychoacoustics I and II, Seminars in Speech, Audition and Communication Sciences, Noise and Hearing Conservation, Advanced Experimental Psychology, Perception, Introduction to Experimental Psychology, Information Processing, Sensory Processing, Psychophysics, Advanced Topics in Sensory Processing

Thesis And Dissertations

Masters and PhD Committees: Speech (4), Audiology (8), Environmental Engineering (2), Electrical Engineering (4), Psychology (5), Neurosciences (3)

Chairman or Co-Chairman of:

William Lee Parker, PhD, 1973, Speech
Dennis Silva, PhD, 1976, Psychology
Gerald Thomas, PhD, 1977, Psychology
Tony Perez-Falcon, MEE, 1975, Electrical Engineering

VISITING PROFESSORSHIPS

Northwestern University, 1980-1991

Courses taught: Advanced Psychoacoustics, Independent Studies in Psychoacoustics (Graduate)

Served on Ten Dissertation or Thesis committees in Audiology and Two in Computer Music

Co-Chaired: Dissertation of Stanley Sheft, PhD, 1988, Northwestern University
Audiology Program of the Department of Communication Disorders

Co-Chaired: Dissertation of Thresea Velde, PhD, 1991, Northwestern University, Audiology Program of the Department of Communication

Disorders

The Colorado College (Third Block, 1990, Fourth Block, 1992)

Courses taught: Research Methods in Psychology; Guest lecturer: Acoustics; Introduction to Psychology

Mathematics and Neurobiology (NSF Sponsored)-Mathematical Sciences Research Institute, University of California Berkeley - Summer 1992

Hearing Faculty: Taught Human Psychophysics, Sound Localization, and Sound Source Determination

University of Illinois, Member of Dissertation Committee of Ted Meyer, Department of Speech and Hearing Sciences (MD-PhD program with Department of Otolaryngology), 1993-1996

<updated, July 2005>