

CURRICULUM VITAE

Charles Hawkins Brown

Academic Specialty: Psychobiology (emphasis in sensation, perception, communication disorders, acoustics, hearing, laryngeal biomechanics, vocal production, animal behavior, comparative and evolutionary psychology), and teaching of psychology.

Contact Information: Department of Psychology
University of South Alabama
Mobile, AL 36688
(251) 460-6371
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Academic Rank: Professor of Psychology, and
Adjunct Professor of Speech Pathology and Audiology

Professional Experience:

Professor, Department of Psychology
University of South Alabama, 1991-current

Adjunct Professor, Department of Speech Pathology and Audiology
University of South Alabama, 1991-current

Associate Professor, Department of Psychology
University of South Alabama, 1987-1991

Adjunct Associate Professor, Department of Speech Pathology
And Audiology, University of South Alabama, 1988-1991

Guest Scientist, Naval Aerospace Medical Research Laboratory, Naval Air
Station, Pensacola, Florida, 1987-1991

Assistant Professor, Department of Psychology, University of
Missouri, 1979-1987

Postdoctoral Fellow, Department of Ophthalmology, University
Of Michigan, 1978-1979

Postdoctoral Fellow, Kresge Hearing Research Institute, University of Michigan,
1976-1978

Education:

Ohio Wesleyan University, 1965-1966

Western Michigan University, 1966-1969 B.A. Magna Cum Laude, Honors in Psychology

Michigan State University, 1971-1976 M.A., Ph.D. (Psychobiology)

Honors and Awards:

Graduated **Magna Cum Laude** with **Honors** in Psychology, 1969,

Western Michigan University

Elected to **Phi Kappa Phi**, 1973,

Michigan State University

Selected CIC Traveling Scholar, 1975,

University of Michigan

Recipient: **Research Career Development Award**,

1984-1989, National Institutes of Health

Elected **Fellow, American Psychological Association (Division 6)**, 1990

Selected: **Scholar of the Year**, 1990, Phi Kappa Phi, University of South Alabama

Grant Support:

Principal Investigator: National Research Service Award, Cochlear trauma and auditory localization in primates. 1976-1978. Funded for \$26,400.

Principal Investigator: UMC Research Council, Auditory processing in birds. 1979. Funded for \$2,400.

Principal Investigator: UMC Research Council, Vocal radiation patterns and auditory processing in birds and primates. 1980. Funded for \$2,380.

Principal Investigator: UMC Research Council, Foreign travel. 1980. Funded for \$1,050.

Principal Investigator: UMC Special Equipment Fund, Computer peripherals. 1980. Funded for \$5,700.

Principal Investigator: NIH, Perceptual adaptations for communication (RO1 NS16632-01). 1980-1984. Funded for \$177,208 (total costs).

Project Director: UMC Chancellor's Unrestricted Development Fund, Equal opportunity: The advancement of Science and Human Welfare. 1981. Funded for \$6,000.

Principal Investigator: NIH, Perceptual adaptations for communication (RO1 NS16632-05). 1984-1989. Funded for \$403,695 (total costs).

Principal Investigator: NIH Research Career Development Award (KO4 NS00880-01). 1984-1989. Funded for \$270,000 (total costs).

Co-Principal Investigator (with J. Sinnott): NIH, Auditory perception in humans, monkeys and chinchillas (RO1 DC00541-03). 1988-1991. Funded for \$255,920 (total costs).

Principal Investigator: Air Force Office of Scientific Research, Defense University Research Instrumentation Program, Supercomputing and the processing of acoustic transients by biological systems and machines (88450-0500). 1988-1990. Funded for \$43,436 (total costs).

Principal Investigator: NIH, Perceptual Adaptations for Communication. (RO1 DC00164-11). 1989-1994. Funded for \$879,282 (total costs).

Principal Investigator: NIH, Perceptual Adaptations for Communication: Minority Student Supplement. 1990-1992. Funded for \$32,568 (total costs).

Principal Investigator: State of Alabama Supercomputer Network, Proposal for Block II Allocation for Signal Processing. 1989-1990. Allocation approved for 100 hours (\$120,000).

Principal Investigator: Arts and Sciences Support and Development Awards (USA), The Acoustic Basis of Primate Vocal Communication. 1990. Funded for \$1,000.

Principal Investigator: University of South Alabama Biomedical Research Support Grant. Technical Advancements and Communication. 1992. Funded for \$2,000.

Principal Investigator: NSF, Digital Audio and Communication Science. Laboratory for Undergraduate Psychology and Speech Pathology and Audiology Students. 1993-1994. Funded for \$22,759. (Matched for \$22,760.)

Principal Investigator: NIH, Small Instrumentation Grant. 1993. Funded for \$5,000.

Co-Principal Investigator (with J. Sinnott). NIH, Comparative Speech Perception. 1993-1998. Funded for \$463,398.

Co-Principal Investigator (with J. Sinnott). NIH, Comparative Speech Perception. 1998-2002. Funded for \$581,459.

Co-Principal Investigator (with M. S. Gordon, & J. D. Foster). USA Research Council, To Swing or not to Swing: Psychological factors associated with decision-making in Major League Baseball. 2007-2008. Funded for \$ 4,498.

Co-Principal Investigator (with M. S. Gordon). NIH, Psychophysical Studies of Cancer Treatments Affecting Speech and Taste. Under revision.

University Service:

Member of Graduate Faculty, University of South Alabama,
January 7, 1988-current.

Member of Undergraduate Committee, Department of Psychology,
University of South Alabama, 1987-current.

Institutional Animal Care and Use Committee, University of
South Alabama, September 1989-September 1992.

Member of Rapid Response Subcommittee of IACUC, University of
South Alabama, September 1990-1992.

Member of Committee on Standards in the Conduct of Research,
University of South Alabama, September 1989-September 1992.

Member of Graduate Council, University of South Alabama,
September 1989-September 1993.

Member of Graduate Council Credentialing Committee,
University of South Alabama, September 1990-1993.

Chair, Graduate Council Credentialing Committee,
University of South Alabama, September 1992-1993.

Ph.D. Implementation Committee, Communication Sciences and
Communication Disorders, University of South Alabama, October 1989-1994.

Final Course Grade Grievance & Academic Conduct Committee
Alternate Member, Department of Speech Pathology & Audiology
(Graduate), University of South Alabama 1990-1992.

Member, Faculty Senate, University of South Alabama, 1991-1994.

Chair, Faculty, Staff and Administration Evaluation Committee, Faculty Senate
1993-1994.

Member, Southern Association of Colleges and Schools Committee on Student Activities
and Development Accreditation Subcommittee on Programs and Services. 1991-1992.

Member, Faculty Service and Development Award Committee,
College of Arts and Sciences. 1991-1992.

Member, Department of Biological Sciences Chair Search Committee. 1992.

Faculty Advisor, Psi Chi. 1992-1994.

Mentor, Discover Your Future Program for Minority Students, 1992-1993.

Mentor, Faculty Mentor Program. 1992-1996.

Member, University Council on Research. 1992-1993.

Member, Faculty and Administration Steering Team, 1993-1995.

Member, University of South Alabama Research Council, 1996-1999.

Member, College of Arts & Sciences, Tenure and Promotion Committee, 1999-2000.

Member, College of Arts & Sciences, APPC, 1999- 2001.

Chair, College of Arts & Sciences, APPC, 2000-2001.

Chair, Assessment Committee, Department of Psychology, 2001-2002.

Chair, Advisory Committee, Department of Psychology, 2002-2003.

Mentor, Faculty Mentor Program. 2003-2005.

Chair, General Psychology Redesign Committee, Department of Psychology, 2006-current.

Chair, Personal Response System Task Force, University of South Alabama, 2006-2007.

Chair, Promotion & Tenure Committee, Department of Psychology, 2007-2008.

Faculty Advisor: Jaguar Motorcycle Club (JMC), (The University of South Alabama Motorcycle Club), 2008-current.

Professional and Honorary Societies:

Acoustical Society of America
American Psychological Association
American Psychological Society
Animal Behavior Society
Association for Research in Otolaryngology
Phi Kappa Phi
Psi Chi
Southeastern Psychological Association
Sigma Xi
Society for Neuroscience

Publications:

- Lippitt, M., & Brown, C. H. (1972). Immediate and long-range goals for program development. In: Coons et al. (Eds.), Training Manual: Developing a Therapeutic Community. Ann Arbor: The University of Michigan Audio-Visual Education Center, pp. 195-221.
- Brown, C. H., & Rilling, M. E. (1975). Stimulus delay and the reduction of errors in the transfer of stimulus control. Animal Learning and Behavior, 3, 21-27.
- Rilling, M., Caplan, H. J., Howard, R. C., & Brown, C. H. (1975). Inhibitory stimulus control following errorless discrimination learning. Journal of the Experimental Analysis of Behavior, 24, 121-133.
- Brown, C. H., Beecher, M. D., Moody, D. B., & Stebbins, W. C. (1978a). Localization of pure tones by Old World monkeys. Journal of the Acoustical Society of America, 63, 1484-1492.
- Brown, C. H., Beecher, M. D., Moody, D. B., & Stebbins, W. C. (1978b). Localization of primate calls by Old World monkeys. Science, 201, 753-754.
- Brown, C. H., Beecher, M. D., Moody, D. B., & Stebbins, W. C. (1979). Locatability of vocal signals in Old World monkeys: Design features for the communication of position. Journal of Comparative and Physiological Psychology, 93, 806-819.
- Brown, C. H., Beecher, M. D., Moody, D. B., & Stebbins, W. C. (1980). Localization of noise bands by Old World monkeys. Journal of the Acoustical Society of America, 68, 127-132.
- Schwagmeyer, P., & Brown, C. H. (1981). Conspecific reaction to playback of thirteen-lined ground squirrel vocalizations. Zeitschrift für Tierpsychologie, 56, 25-32.
- Snowdon, C. T., Brown, C. H., & Petersen, M. R. (1981). Primate communication in 1980's: Summary of the satellite symposium on primate communication. In: Chairelli and Corrucini (Eds.), Advanced Views in Primate Biology. Berlin: Springer-Verlag, pp. 84-99.
- Snowdon, C. T., Brown, C. H., & Petersen, M. R. (1982). General introduction. In: Snowdon, Brown & Petersen (Eds.), Primate Communication. New York: Cambridge University Press, pp. xii-xx.
- Snowdon, C. T., Brown, C. H., & Petersen, M. R. (1982). Primate Communication. New York: Cambridge University Press.
- Brown, C. H. (1982a). Primate Auditory localization. In: Gatehouse (Ed.), Localization of sound: Theory and Application. Groton, CT: The Amphora Press, pp. 136-154.

- Brown, C. H. (1982b). Auditory localization and primate vocal behavior. In: Snowdon, Brown & Petersen (Eds.), Primate Communication. New York: Cambridge University Press, pp. 144-164.
- Brown, C. H. (1982c). Ventroloquial and locatable vocalizations in birds. Zeitschrift für Tierpsychologie, 59, 338-350.
- Brown, C. H., Schessler, T., Moody, D., & Stebbins, W. C. (1982). Vertical and horizontal sound localization in primates. Journal of the Acoustical Society of America, 72, 1804-1811.
- Schwagmeyer, P., & Brown, C. H. (1983). Factors affecting male-male competition in thirteen-lined ground squirrels. Behavioral Ecology and Sociobiology, 13, 1-6.
- Brown, C. H., & Waser, P. M. (1984). Hearing and communication in blue monkeys (Cercopithecus mitis). Animal Behaviour, 32, 66-75.
- Brown, C. H., & Green, D. G. (1984). Rod saturation in b-wave of the rat electroretinogram under two different anesthetics. Vision Research, 24, 87-90.
- Brown, C. H., & Schwagmeyer, P. (1984). The vocal range of thirteen-lined ground squirrels. Zeitschrift für Tierpsychologie, 65, 273-288.
- Waser, P. M., & Brown, C. H. (1984). Is there a "sound window" for primate communication? Behavioral Ecology and Sociobiology, 15, 73-76.
- Brown, C. H. (1984). Directional hearing in aging rats. Experimental Aging Research, 10, 35-38.
- Waser, P. M., & Brown, C. H. (1986). Habitat acoustics and primate communication. American Journal of Primatology, 10, 135-154.
- Brown, C. H., & Maloney, C. (1986). Temporal integration in two species of Old World monkeys: Blue monkeys (Cercopithecus mitis) and grey-cheeked mangabeys (Cercocebus albigena). Journal of the Acoustical Society of America, 79, 1058-1064.
- Brown, C. H., & Moody, D. B. (1986). Comparative perception of complex stimuli. Experimental Biology, 45, 139-143.
- Brown, C. H. (1986a). The perception of vocal signals in blue monkeys and grey-cheeked mangabeys. Experimental Biology, 45, 145-165.

- Brown, C. H. (1986b). Forest noise and sound transmission in East African primate habitats. In: Martens (Ed.), Proceedings of the Workshop on Sound Propagation in Forested Areas and Shelterbelts. Nijmegen, The Netherlands: The Catholic University of Nijmegen Press, pp. 185-196.
- Brown, C. H., & Waser, P. M. (1988). Environmental influences on the structure of primate vocalizations. In: D. Todt, P. Goedeking, & D. Symmes (Eds.), Primate Vocal Communication. Berlin: Springer-Verlag. pp. 51-66.
- Brown, C. H. (1989a). The acoustic ecology of East African primates and the perception of vocal signals by grey-cheeked mangabeys and blue monkeys. In: Dooling and Hulse (Eds.), The Comparative Psychology of Audition: Perceiving Complex Sounds. Hillsdale, N.J.: Lawrence Earlbaum Associates, Inc. pp. 201-239.
- Brown, C. H. (1989b). The measurement of vocal amplitude and vocal radiation pattern in blue monkeys and grey-cheeked mangabeys. Bioacoustics, 1, 253-271.
- Brown, C. H. (1989c). The active space of blue monkey and grey-cheeked mangabey vocalizations. Animal behaviour, 37, 1023-1034.
- Brown, C. H., & May, B. (1990). Sound localization and binaural processes. In: M. Berkley, & W. C. Stebbins (Eds.), Comparative Perception. New York: John Wiley and Sons. pp. 247-284.
- Brown, C. H., & Sinnott, J. M. (1990). The perception of complex acoustic patterns in noise by blue monkey (Cercopithecus mitis) and human listeners. International Journal of Comparative Psychology, 4, 79-90.
- Sinnott, J. M., Brown, C. H., & Brown, F. E. (1992). Frequency and intensity discrimination in Mongolian gerbils, African monkeys and humans. Hearing Research, 59, 205-212.
- Brown, C. H., & Gomez, R. (1992). Functional design features in primate vocal signals: The acoustic habitat and sound distortion. In: T. Nishida, W. C. McGrew, P. Marler, M. Pickford, and F. M. B. de Waal (Eds.) Topics in Primatology, Volume One, Human Origins. Tokyo: University of Tokyo Press. pp. 177-198.
- Sinnott, J. M., and Brown, C. H. (1993). Effects of varying signal and noise levels on pure-tone frequency discrimination in humans and monkeys. Journal of the Acoustical Society of America, 93, 1535-1540.
- Sinnott, J. M., and Brown, C. H. (1993). Effects of varying signal duration on pure-tone frequency discrimination in humans and monkeys. Journal of the Acoustical Society of America, 93, 1541-1546.
- Brogdon, B. G., Brown, C. H., Curran, J. G., Herbert, D., Stanny, R. R., & Green, A. E. (1994). An investigation of the occurrence of sleep-loss dementia in a radiology call schedule.

- Brown, C. H. (1994a). Sound localization. In: A. Popper, and R. Fay (Eds.) Comparative Mammalian Hearing (Springer Series in Auditory Research, Vol. 4). New York: Springer-Verlag. pp. 57-96.
- Brown, C. H. (1994b). Ecological constraints for the evolution of primate vocalizations. In: J.J. Roeder, B. Thierry, J. R. Anderson, and N. Herrenchmidt (Eds.) Current Primatology, Volume II: Social Development, Learning and Behaviour. Strasbourg: Universite Louis Pasteur. pp. 227-232.
- Brown, C. H., Sinnott, J. M., & Kressley, R. A. (1994). The perception of chirps by Sykes' monkeys (Cercopithecus albogularis) and humans. Journal of Comparative Psychology, 108, 243-251.
- Olupot, W., Chapman, C. A., Brown, C. H., & Waser, P. M. (1994). Mangabey population density, group size and ranging: A twenty-year comparison. American Journal of Primatology, 32, 197-205.
- Brown, C. H. (1995). Methods in Directional Hearing. In: R. J. Dooling, R. R. Fay, G. Klump, & W. C. Stebbins (Eds.), Methods in Comparative Psychoacoustics, Zurich: Birkhauser. pp. 109-121.
- Brown, C. H., & Cannito, M. P. (1995a). Modes of vocal variation in Sykes's monkey (Cercopithecus albigena) squeals. Journal of Comparative Psychology, 109, 398-415.
- Brown, C. H., & Cannito, M. P. (1995b). Articulated and inflected primate vocalizations: Developing animal models of speech. In: D. Robbin, & D. Beukleman (Eds.), Disorders of Motor Speech: Assessment, Treatment, and Clinical Consideration, Baltimore: Brookes Publishing Company. pp. 43-63.
- Brown, C. H., Gomez, R., & Waser, P. M. (1995). Old World monkey vocalizations: Adaptation to the local habitat? Animal Behaviour, 50, 945-961.
- Sinnott, J. M., & Brown, C. H. (1997). Perception of the English liquid /ra-la/ contrast by humans and monkeys. Journal of the Acoustical Society of America, 102, 588-602.
- Sinnott, J. M., Brown, C. H., Malik, W, & Kressley, R. A. (1997). A multidimensional scaling analysis of vowel discrimination in humans and monkeys. Perception and Psychophysics, 59, 1214-1224.
- Sinnott, J. M., Brown, C. H., & Borneman, M. A. (1998). Effects of syllable duration on stop-glide identification in syllable-initial and syllable-final position by humans and monkeys. Perception & Psychophysics, 60, 10321-1043.

- Brown, C. H. (2002). Ecological and physiological constraints for primate vocal communication. In: A. A. Ghazanfar (ed.) Primate Audition: Behavior & Neurobiology. Boca Raton, Florida: CRC Press LLC. (pp.127-149).
- Brown, C. H., Alipour, F., Berry, D.A., Montequin, D. (2003). Laryngeal biomechanics and vocal communication in the squirrel monkey (*Saimiri boliviensis*). Journal of the Acoustical Society of America, 113, 2114-2126.
- Brown, C.H., & Alipour, F. (2003). Asymmetric and symmetric vocal fold oscillation in the excised squirrel monkey larynx. In: C. Manfredi & P. Brusaglioni (eds.) Proceedings 3rd MAVIBA Workshop. Pp. 139-142. Firenze, Italy: Firenze University Press.
- Hebert, J. A., Doran, M.V., and Brown, C.H. (2003). Simulation of animal behavior using robotic agents. SCI 2003 Proceedings.
- Brown, C. H, and May. B. (2005). Comparative mammalian sound localization. In: A. Popper, and R. Fay (Eds.) Sound Source Localization: Springer Handbook of Auditory Research, Vol. XV. Pp. 124-178. New York: Springer-Verlag.
- Brown, C. H. & Alipour, F. (2006) Is the squirrel monkey larynx lateralized biomechanically? Journal of the Acoustical Society of America, 120, 3190 (abstract only).
- Brown, C. H., and Sinnott, J. M. (2006). Cross species comparisons of vocal perception. In: Greenberg, S., & Ainsworth, W.A. (Eds.), *Listening to Speech: An Auditory Perspective*. (pp. 183-202). Mahwah, N. J.: Lawrence Erlbaum Associates, Inc.
- Foster, J. D, Gordon, M. S, & Brown, C. H. (2009). Regulatory Focus and the "Goal Looms Larger" Effect in Professional Baseball. *Journal of Applied Social Psychology* (submitted).
- Riede, T., & Brown, C.H. (2009). The functional morphology of the mammalian vocal fold as a sound source. Biological Reviews (submitted).
- Gordon, M.S., Kolbusz, M., & Brown, C.H. (2009). Hearing within rigid constraints: Speech detection while wearing a football helmet. (In preparation).
- Brown, C. H., Gordon, M.S., Becker, M., & Alipour, F. (2009). The case for biomechanical lateralization in the squirrel monkey larynx. (In preparation).
- Brown, C. H., Brown, A.L., Gordon, M. S., & Alipour, F. (2009). The biomechanics of voicing in the owl monkey (*Aotus trivirgatus*). (In preparation).

Book Reviews:

Brown, C. H. (1986). Animal Behavior: Psychobiology, Ethology and Evolution, (David McFarland). Animal Behaviour, 34, 948-949.

Brown, C. H. (1990). The Physiological Control of Mammalian Vocalization, (John D. Newman). Contemporary Psychology, 7, 701-702.

Brown, C. H. (1997). Current Topics in Primate Vocal Communication, (Elke Zimmermann, John D. Newman, and Uwe Jürgens). American Anthropologist, 99, 197-198.

Brown, C. H. (1997). The Evolution of Communication, (Marc D. Hauser). Trends in Ecology and Evolution, 12, 287.

Presentations at Professional Meetings:

Mark Rilling, Harry Caplan, Charles Brown, & Rod Howard. Inhibitory Stimulus control following errorless learning in pigeons. Presented at the 15th meeting of the Psychonomic Society: Boston, November 1974.

Charles H. Brown, Michael D. Beecher, David B. Moody, & William C. Stebbins. Auditory localization in primates as a function of stimulus bandwidth. Presented at the 90th meeting of the Acoustical Society of America: San Francisco, November 1975.

Charles H. Brown. Primate hearing: The locatability of acoustic events. Presented in the invited symposium Animal Psychophysics, at the 2nd meeting of the Midwestern Analysis of Behavior Association: Chicago, May 1976. *

Charles H. Brown & William C. Stebbins. Comparative psychoacoustics. Invited paper presented at the 48th meeting of the Midwestern Psychological Association: Chicago, May 1976. *

Charles H. Brown, Michael D. Beecher, David B. Moody, & William C. Stebbins. Primate auditory localization: The locatability of different bandwidth signals. Presented at the 92nd meeting of the Acoustical Society of America: San Diego, November 1976.

Charles H. Brown. Auditory localization in Old World monkeys. Presented in the invited symposium Animal Psychophysics: A current assessment. At the 49th meeting of the Midwestern Psychological Association: Chicago, May 1977. *

Charles H. Brown & Michael D. Beecher. Directional hearing in Old World monkeys. Presented at the Animal Behavior Society; University Park, Pennsylvania, June 1977.

Charles H. Brown, Michael D. Beecher, David B. Moody, & William C. Stebbins. The locatability of vocalizations in Old World monkeys. Presented at the 94th meeting of the Acoustical Society of America: Miami, December 1977.

Teryl Schessler & Charles H. Brown. Experimental strategies for the assessment of auditory localization in nonhuman primates. Presented at the American Association of Physical Anthropology: Toronto, April 1978.

Charles H. Brown. Primate auditory localization. Presented at the invited symposium Sound Localization: Theory and Application: Guelph, Ontario, July 1979. *

Charles H. Brown. Vertical sound localization in monkeys. Presented at the 98th meeting of the Acoustical Society of America: Salt Lake City, November 1979.

Charles Snowdon, Michael Petersen, & Charles Brown. Primate communication: Proceedings of the symposium. Presented at the VIII International Primatology Congress. Florence, Italy, July 1980.

Charles H. Brown. Primate directional hearing in noisy habitats. Presented at the American Society of Zoologists: Seattle, December 1980.

Charles H. Brown. Some design features for acoustic communication in birds and mammals. Presented at Winter Animal Behavior Conference IV: Park City, Utah, January 1982.

Charles H. Brown. Ventroloquial and locatable vocalizations in birds. Presented at the 5th meeting of the Midwest Neurobiologists: Columbia, MO, March 1982.

Charles H. Brown & Peter M. Waser. Ecological influences on the design of acoustic communication signals. Presented at the invited symposium Cognitive and perceptual prerequisites for language: Studies of natural and synthetic communication systems, IXth Congress of the International Primatological Society: Atlanta, August 1982. **,**

Charles H. Brown. Ecological acoustics and vocal communication. Presented at Winter Animal Behavior Conference V: Park City, Utah, January 1983.

Charles H. Brown & Robin Trammell. Vocal communication and hearing in blue monkeys (Cercopithecus mitis). Presented at Midwest Regional Animal Behavior Meeting: St. Louis, April 1983.

Charles H. Brown. Safari for science. Presented at the Missouri Psychological Convention: Columbia, MO, April 1983.

Charles H. Brown. Monkey hear, monkey do. Presented at Winter Animal Behavior Conference VI: Park City, Utah, January 1984.

Charles H. Brown & Michael D. Beecher. Current problems in animal communication. Presented at Winter Animal Behavior Conference VII: Park City, Utah, January 1985.

Charles H. Brown. The perception of vocal signals by guenons and mangabeys. Presented in the invited symposium Comparative perception of complex stimuli, Association for Research in Otolaryngology: Sarasota, FL, February 1985. *

Charles H. Brown. Forest noise and sound transmission in East African primate habitats. Presented at the Workshop on Sound Propagation in Forested Areas and Shelterbelts: Nijmegen, The Netherlands, March 1986. *

Charles H. Brown. Videofluoroscopy of monkey calls. Presented at Winter Animal Behavior Conference X: Park City, Utah, January 1988. **

Charles H. Brown. Habitat acoustics and primate hearing and communication. Presented at the Association for Research in Otolaryngology: Clearwater Beach, FL, February 1988.

Charles H. Brown. Habitat acoustics and vocal communication in two primate species. Presented in the Allan M. Schrier Commemorative Symposium: Perception of complex naturally occurring signals by primates at the American Psychological Association, Atlanta, August, 1988. *

Daniel E. Sellers, Charles H. Brown, & Steve Sick. A comparison of event-related (P300) auditory potentials elicited by tones and speech. Presented at the Association for Research in Otolaryngology, Sarasota, February, 1989.

Charles H. Brown. Machine and organismic sensing of complex acoustic patterns in noise: Do biological systems employ special mechanisms? Presented at the Association for Research in Otolaryngology, Sarasota, February, 1989.

Charles H. Brown. The perception of complex acoustic patterns in noise: On the question of special mechanisms. Presented at the First European Congress of Psychology, Amsterdam, July, 1989. *,**

Charles H. Brown & Marc M. Hauser. Primate vocal gestures. Presented at the American Society of Primatologists, Davis, CA, July, 1990. *

Charles H. Brown. Functional design features in primate vocal signals. Presented at the International Primatological Society, Nagoya and Kyoto, Japan, July, 1990. *

Charles H. Brown. The perception of vocal signals by monkeys and humans: Are special mechanisms involved? Presented at the American Psychological Association, Boston, August, 1990. *

Joan M. Sinnott, Charles H. Brown, & Fritz Brown. Aspects of auditory frequency discrimination in humans, Old World monkeys and gerbils. Presented at the Association for Research in Otolaryngology, Sarasota, February, 1991.

Charles H. Brown & Marc M. Hauser. Speech-like and nonspeech-like vocal gestures in monkeys. Presented at the Association for Research in Otolaryngology, Sarasota, February, 1991.

Charles H. Brown. The psychology of perception. Presented at the Fourth Farwest Image Perception Conference, Point Clear, AL, October, 1991. (Konica Grantee). *

Charles H. Brown, Rafael Gomez, & Peter M. Waser. Are primate vocalizations adapted to the local habitat? Presented at the Acoustical Society of America. Salt Lake, May, 1992. *

Charles H. Brown. Ecological constraints for the evolution of primate vocalizations. Presented at the International Primatological Society. Strasbourg, August, 1992. *

Charles H. Brown, Fredrick E. Brown, K. Leigh Santos, & Paul A. Dagenais. Acoustic and laryngographic measurements of primate vocalizations. Presented at the Acoustical Society of America. New Orleans, November, 1992.

Joan M. Sinnott, Charles H. Brown, & Kelly W. Mosteller. Reaction time functions and equal loudness contours for synthetic English vowels in Mongolian gerbils, African monkeys and humans. Presented at the Association for Research in Otolaryngology. St. Petersburg Beach, Florida, February, 1993.

Charles H. Brown. Are blue monkey vocalizations "sung" or "spoken"? Presented at the Association for Research in Otolaryngology. St. Petersburg Beach, Florida, February, 1993.

Charles H. Brown & Regina Kressley. Speech-like characteristics of primate utterances. Presented at the Southern Society for Philosophy and Psychology. New Orleans, April, 1993.

Charles H. Brown, Joan M. Sinnott, & Regina A. Kressley. The perception of chirps by Sykes' monkeys and humans. Presented at the Acoustical Society of America. Boulder, October, 1993.

Joan M. Sinnott, Charles H. Brown, & Regina A. Kressley. A multidimensional scaling analysis of vowel discrimination in humans and monkeys. Presented at the Acoustical Society of America. Boulder, October, 1993.

B. G. Brodgen, C. H. Brown, D. E. Herbert, Allan E. Green, J. G. Curran, & R. R. Stanny. An investigation of the effect of sleep-loss in a radiology call schedule. Presented at the Southern Medical Association. New Orleans, October, 1993.

Charles H. Brown, & Michael P. Cannito. Sykes' monkey (*Cercopithecus albogularis*) vocal sources: Calls dominated by turbulence and aperiodic phonation. Presented at the Association for Research in Otolaryngology. St. Petersburg Beach, Florida, February, 1994.

Charles H. Brown, & Michael P. Cannito. Phonation in Sykes' monkeys: Articulated and inflected vocalizations. Presented at the Conference on Motor Speech. Sedona, AZ, March, 1994.

Charles H. Brown, Joan M. Sinnott, & Regina Kressley. The perception of articulation and inflection in monkey calls by Sykes' monkeys (*Cercopithecus albogularis*) and humans. Presented at the Association for Research in Otolaryngology. St. Petersburg Beach, Florida, February, 1995.

Charles H. Brown, Anne Bryan, Christy Hardin, Jerry Maples, & Michael Stachelczyk. Bimodal perception of primate utterances and speech. Presented at the Southeastern Psychological Association. Norfolk, Virginia, March, 1996.

Charles H. Brown. Discussant. European Speech Communication Association Tutorial and Research Workshop on the "Auditory Basis of Speech Perception", Keele University, UK, July, 1996.*

Charles H. Brown, Anne Bryan, Christy Hardin, Jerry Maples, & Michael Stachelczyk. Does bimodal perception of the optic and acoustic constituents of speech engage species-specific mechanisms? Presented at the Association for Research in Otolaryngology. St. Petersburg Beach, Florida, February, 1997.

Charles H. Brown, Anne Bryan, Christy Hardin, Jerry Maples, & Michael Stachelczyk. Does bimodal perception of the optic and acoustic constituents of speech engage species-specific mechanisms? Presented at The University of South Alabama's 4th Annual Research Forum. Mobile, AL, May, 1997.

Charles H. Brown. What can primate research tell us about the evolution of speech. Presented at the joint meeting of the Southwestern psychological Association and Southwestern Comparative Psychological Association. New Orleans, March, 1998.*

Charles H. Brown. Nonlinear dynamics and vocal variation in Sykes' monkey (*Cercopithecus albogularis*) calls. Presented at the 2nd International Conference on Voice Physiology and Biomechanics. Berlin, Germany, March, 1999.

Charles H. Brown & Fariborz Alipour. The biomechanics of voicing and squirrel monkey vocal communication. Presented at the 18th Congress of the International Primatological Society. Adelaide, Australia, January, 2001.

Joel C. Kahane, Michelle Becker, & Charles H. Brown. Gross anatomy and histology of the squirrel monkey vocal tract and larynx. Presented at the 19th Congress of the International Primatological Society. Beijing, August 2002.

Charles H. Brown & Fariborz Alipour. Laryngeal biomechanics and squirrel monkey (*Saimiri boliviensis*) vocal communication. Presented at the 3rd International Conference on Voice Physiology and Biomechanics. Denver, September, 2002.

Jerrolyn A. Herbert, Michael V. Doran, & Charles H. Brown. Simulation of animal behavior using robotic agents. Presented at the 7th World Multiconference on Systemics, Cybernetics, and Informatics. Orlando, July, 2003.

Charles H. Brown. Making sense out of uncertainty: a primatologist's perspective of the tower of Babel. Presented at the National Institutes of Health-NICHD, Poolesville, MD, October, 2003.*

Charles H. Brown & Fariborz Alipour. Asymmetric and symmetric vocal fold oscillation in the excised squirrel monkey larynx. Presented before the 3rd International Workshop on Models and Analysis of Vocal Emissions for Biomedical Applications. Florence, Italy, December, 2003.

Charles H. Brown & Fariborz Alipour. Unilateral and bilateral oscillation in the excised squirrel monkey larynx. Presented before the International Conference on Voice Physiology and Biomechanics. Marseille, France, August, 2004.

Charles H. Brown & Fariborz Alipour. Is the squirrel monkey larynx lateralized biomechanically? Presented before the fourth joint meeting between The Acoustical Society of America, and the Acoustical Society of Japan. Honolulu, Hawaii, November, 2006.

Michael S. Gordon, Jose DeAnda, & Charles H. Brown. Hearing within rigid constraints: Speech detection while wearing a football helmet. Presented before the 6th Annual Audition, Perception, Cognition, and Action Meeting. Long Beach, CA, November, 2007.

Gordon, M. S., Foster, J. D., Brown, C. H., & Kolbusz, M. To Swing or Not to Swing: Psychological factors associated with decision-making in Major League Baseball. Poster presented at the 15th Annual Meeting of the University of South Alabama Research Council, Mobile, AL, March, 2008.

Charles H. Brown, Michael Gordon, Michelle Becker & Fariborz Alipour. The case for biomechanical lateralization in the squirrel monkey larynx. Presented before the XXII Congress of the International Primatological Society. Edinburgh, Scotland, August, 2008.

Goff, J., Foster, J. D., Gordon, M. S., & Brown, C. H. Regulatory focus and the "Goal Looms Larger" effect in Major League Baseball. Presented at the Annual Meeting of the Society for Personality and Social Psychology, Tampa, FL, February, 2009.

Chandramouli Chandrasekaran, Hjalmar K. Turesson, Charles H. Brown & Asif A. Ghazanfar. Beyond 1/f: natural acoustic scene analysis in primary auditory cortex. Presented at Computational and Systems Neuroscience 2009, Salt Lake, February, 2009.

Larry C. Christensen & Charles H. Brown. Academic Success, Student Retention, and Educational Technology. Presented at the South Eastern Psychological Association, New Orleans, March, 2009.

* Invited Address

** Chair or co-chair of paper session or symposium

Courses:

PSY 120 General Psychology

PSY 310 Physiological Psychology

PSY 428/528 Perception

PSY 475/575 Comparative and Evolutionary Psychology

Recent Professional Service:

Editorial Board: *The Open Acoustics Journal*. February 2008-present.
Bentham Open Publishers.

Ad hoc Reviewer: Journal of the Acoustical Society of America

Ad hoc Reviewer: Journal of Experimental Biology

Ad hoc Reviewer: Nation Science Foundation

Ad hoc Reviewer: LSB Leakey Foundation

Community Service:

Mentor, Triple E Program for Gifted Children, Columbia MO Public Schools, 1984.

Citizens Task Force, Storm Water Management, City Council, Columbia, MO, 1984-1986.

Assistant Den Leader, Cub Scout Den 5, Pack 129, Mobile, AL 1993-1998.

Den Leader, Cub Scout Den 1, Pack 129, Mobile, AL 1994-2000.

Board Member, Boy Scout Troop 292, Mobile, AL 1998-2001.

Little League and Babe Ruth Baseball Coach, Westside Athletic Association, Mobile, AL 1995-2005.