

To: Matt Cherry, President and Members of City Council  
From: Wade Kapszukiewicz, Mayor  
Subject: Appointments to the Toledo Urban Forestry Commission  
10/27/2022

**I Recommend the Following Appointments to the Toledo Urban Forestry Commission**

---

Appointee	Appointee Replaced	Proposed Term of Office	Section 61 waiver as a special engagement	Reserved Slot / Type	Recommended by ( if applicable)	Attendance Record	Resume attached
Donald A. Godfrey	new	3 years expiring, 11/08/2025	no				yes
Mary E. Visco	new	3 years expiring, 11/08/2025	yes				yes
Sallie Eddy	new	3 years expiring, 11/08/2025	no				yes
Tom McDonald	new	3 years expiring, 11/08/2025	no				yes
Amy K. Stone	new	3 years expiring, 11/08/2025	yes				yes
Charlie Juhnson	new	3 years expiring, 11/08/2025	no				yes
Alvin H. Johnson	new	3 years expiring, 11/08/2025	yes				yes

---



Wade Kapszukiewicz  
Mayor

## Request to Join the Toledo Urban Forestry Commission

I first became interested in trees during my graduate studies on the nervous system in the late 1960s, when I realized that the branching of trees resembled the branching of the dendritic processes of nerve cells of the brain. I have since continued my interest in trees as a hobby, including learning to identify the different types of native trees. My wife and I, with another member, currently manage a nature park on our church's property along Bancroft Street just west of Holland Sylvania Road, within the Oak Openings region. The approximately 10-acre park is mostly wooded and contains more than 50 different types of trees, especially oaks, cottonwoods, and crabapples. Our home is in the Old West End. In both the church nature park and in the yard at our home, we emphasize native plants and trees. I have interacted with Tom McDonald in his work with Tree Toledo, providing to him redbud seedlings that grow in our yard from the many seeds that drop from our redbud trees. I have also transplanted many redbud tree seedlings from our yard to our church nature park to provide more spring color.

I have a longstanding interest in trees and have been a member of the Arbor Day Foundation for more than 30 years, I hope to encourage planting of more trees in Toledo that are native to the northeastern United States.

DONALD A. GODFREY

## CURRICULUM VITAE

NAME: Donald A. Godfrey

ADDRESS: Work: Department of Neurology, Mail Stop 1195  
University of Toledo College of Medicine and Life Sciences  
3000 Arlington Avenue, Toledo, Ohio 43614  
Home: 2535 Scottwood Avenue  
Toledo, Ohio 43610

PHONE: Work (419) 383-3571; Home (419) 244-6010  
FAX: Work (419) 383-3093  
E-MAIL: donald.godfrey@utoledo.edu

BIRTH: August 26, 1944, Tarrytown, New York

FAMILY: Married 1967-present, 2 children, 6 grandchildren

DEGREES: B.S., Biology, Rensselaer Polytechnic Institute, Troy, New York, 1966  
Ph.D., Physiology, Harvard University, Cambridge, Massachusetts, 1972

### POSITIONS:

Research assistant, Massachusetts Eye and Ear Infirmary, Sep 1971 - Dec 1971  
Postdoctoral Fellow in Pharmacology, Washington University School of Medicine, Jan 1972 - Jun 1975

Research Assistant Professor of Pharmacology, Washington University School of Medicine, Jul 1975 - Apr 1978.

Research Associate in Physiology, Central Institute for the Deaf, Mar 1975 - Apr 1978  
Assistant Professor of Physiology, Oral Roberts University, May 1978 - Jul 1981  
Associate Professor of Physiology, Oral Roberts University, Aug 1981 - Jul 1988  
Research Professor of Surgery (Otolaryngology), Medical College of Ohio, Jul 1988 - Oct 1988  
Research Professor of Physiology and Biophysics, Medical College of Ohio, Jul 1988 - Jun 1991  
Research Professor of Otolaryngology, Medical College of Ohio, Nov 1988 - Jun 1991  
Adjunct Professor in the Department of Communication Disorders, College of Health and Human Services, Bowling Green State University, Jul 1989 - Jun 2010.

Research Professor of Anatomy, Medical College of Ohio, Oct 1989 - Jun 1991  
Professor of Otolaryngology, Medical College of Ohio, Jul 1991 - Feb 2004.  
Professor of Physiology and Biophysics, now (2004) Physiology and Cardiovascular Genomics, Medical College of Ohio, then University of Toledo College of Medicine, Jul 1991 - Jun 2010.  
Professor of Anatomy and Neurobiology, now (2004) Neurosciences, Medical College of Ohio, then University of Toledo College of Medicine, Jul 1991 - Jun 2010.  
Director of Medical College of Ohio Graduate Program in Neuroscience (renamed Cellular and Molecular Neurobiology), 1991-2002.  
Adjunct member of the Graduate Faculty, University of Toledo, Jun 1992 - Jun 2010.  
Research Director of Otolaryngology, Medical College of Ohio, Jan 1996 - Feb 2004.  
Professor of Surgery, Division of Otolaryngology and Dentistry, University of Toledo College of

University School of Medicine, Class of 1987

Teacher of the Year, 1986-87, Oral Roberts University School of Medicine, Class of 1990

Nominated for Oklahoma Health Research Committee, August, 1986

Good Neighbor Award, Old West End Association, October, 1994, August, 1996

Dean's Award for Mentoring, Medical College of Ohio Graduate School, May 9, 1997

Certificate of Appreciation, Student National Medical Association, University of Toledo Health

Science Campus, April, 2007

Excellence in Diversity Award for service to the Multicultural Affairs Advisory Committee since 1996, University of Toledo Health Science Campus, May 13, 2009.

Nominated for Outstanding Teacher Award at University of Toledo, April, 2010.

University of Toledo Culture Ambassadors 2010 Diversity Award, April 27, 2010.

University of Toledo icare Volunteer Champion 2015/2016 "Hours of Exceptional Service" Club

Member – 1252 hours, April 13, 2016, 1263 hours, April 19, 2018, 1068 hours, April 11, 2019.

The Frances Clinton Outstanding Service Award, University of Toledo, UT Health, Department of Service Excellence, Volunteer Services, April 19, 2018.

#### FELLOWSHIPS:

NSF Predoctoral Fellowship, Harvard University, Sep 1966 - Aug 1971

NIH Postdoctoral Fellowship, Washington University School of Medicine, St. Louis, Missouri, Jan 1972 - Jan 1974

#### GRANTS (INTRAMURAL):

Oral Roberts University Intramural Grant - "Acetylcholine microchemistry of the cochlear nucleus," 8/1/81 - 7/31/84 (principal investigator).

Oral Roberts University Intramural Grant - "Microchemistry of the middle ear muscles," 8/1/85 - 7/30/86 (principal investigator).

Oral Roberts University Intramural Grant - "Effect of hearing loss on central auditory system chemistry," 8/1/87 - 7/31/88 (principal investigator).

Component of Medical College of Ohio Small Instrumentation Grant from NIH - 1990 - \$5000

Medical College of Ohio Biomedical Research Support Grant - "Microchemistry of the cochlear nucleus," 12/1/90 - 3/31/91 (principal investigator).

Medical College of Ohio Biomedical Research Support Grant - "Microchemistry of the cochlear nucleus," 4/1/91 - 7/31/91 (principal investigator).

Medical College of Ohio Academic Intranet Project Computer Award, 3/18/98

#### GRANTS (EXTRAMURAL):

NIH Grant R01-NS17176-01-03 - "Acetylcholine microchemistry of the cochlear nucleus," 12/1/81 - 11/30/84 (principal investigator).

NIH Grant R01-EY03838-01-03 - "Acetylcholine microchemistry of the visual system," 8/1/82 - 9/29/86 (co-investigator with C.D. Ross, principal investigator).

NIH Grant R01-NS17176-04-06 - "Microchemistry of the cochlear nucleus," 12/1/84 - 11/30/87 (principal investigator).

NIH Grant R01-EY03838-04-06 - "Microchemistry of the superior colliculus and cerebellum," 9/30/86 - 9/29/89 (co-investigator with C.D. Ross, principal investigator).

NIH Grant R01-NS17176-07-10 - "Microchemistry of the cochlear nucleus," 12/1/87 - 11/30/90 (principal investigator).

NIH Grant 2 R01-DC00383-04-08 - "Amino acid neurotransmitters in the auditory brainstem

(principal investigator).

NIH Grant R01-DC00172-15-18 - "Microchemistry of the cochlear nucleus," 7/1/95 - 6/30/99

(principal investigator).

American Tinnitus Association Grant - "Neurochemistry of the cochlear nucleus following exposure to high intensity sound," 1/01/96 - 12/31/96 (principal investigator).

NIH Grant R21-DC03258-01-02 - "Central mechanisms related to tinnitus" (subcontract to grant of J.A. Kaltenbach, principal investigator), 1/1/97 - 12/31/98 (principal investigator).

NIH Grant RO1-DC02550-05-08 - "Biochemistry of vestibular compensation," 7/1/98 - 6/30/02 (principal investigator).

NIH Grant R21-DC03258-01-02 - "Central mechanisms related to tinnitus" (subcontract to grant of J.A. Kaltenbach, principal investigator), 7/1/99 - 6/30/04 (principal investigator).

American Tinnitus Association Grant - "Tinnitus-inducing ototoxic drug effects on cochlear nucleus neurotransmitter chemistry," 1/01/03 - 12/31/04, no-cost extension to 6/30/05 (principal investigator).

NIH Grant 1R01DC009097-01A1 - "Central auditory plasticity as a basis of tinnitus" (subcontract to grant of J.A. Kaltenbach, principal investigator), 2/1/09 - 1/31/10 (principal investigator).

#### PROFESSIONAL SOCIETIES:

Acoustical Society of America (ca 1974-2004)

American Association for the Advancement of Science (1969-2004)

Association for Research in Otolaryngology (1985-present)

International Brain Research Organization (1978-present)

International Society for Neurochemistry (2012-2014)

Ohio Academy of Science (1998-2004)

Oklahoma Society of Physiologists (1981-1988)

Sigma Xi (1966-2004)

Society for Neuroscience (ca 1978-2004)

#### EXTRAMURAL COMMITTEES:

Committee on Hearing, Bioacoustics, and Biomechanics, National Research Council

American Tinnitus Association Scientific Advisory Committee - April, 2006-March, 2010.

#### THESIS:

Localization of Single Units in the Cochlear Nucleus of the Cat: An Attempt to Correlate Neuronal Structure and Function, Harvard University, Cambridge, Massachusetts, 1971

#### PUBLICATIONS AS ORIGINAL ARTICLES:

1. Kiang, N.Y.S., D.A. Godfrey, B.E. Norris and S.E. Moxon - A block model of the cat cochlear nucleus - J. Comp. Neurol. 162 (1975) 221-246.
2. Godfrey, D.A., N.Y.S. Kiang and B.E. Norris - Single unit activity in the posteroventral cochlear nucleus of the cat - J. Comp. Neurol. 162 (1975) 247-268.
3. Godfrey, D.A., N.Y.S. Kiang and B.E. Norris - Single unit activity in the dorsal cochlear nucleus of the cat - J. Comp. Neurol. 162 (1975) 269-284.
4. Godfrey, D.A. and F.M. Matschinsky - Enzymes of the cholinergic system in islets of Langerhans - J. Histochem. Cytochem. 23 (1975) 645-651.
5. Schmidt, R.E., F.M. Matschinsky, D.A. Godfrey, A.D. Williams and D.B. McDougal, Jr. - Fast and slow axoplasmic flow in sciatic nerve of diabetic rats - Diabetes 24 (1975) 1081-1085.
6. Godfrey, D.A., J.A. Carter, S.J. Berger and F.M. Matschinsky - Levels of putative transmitter

10. Godfrey, D.A., J.A. Carter, S.J. Berger, O.H. Lowry and F.M. Matschinsky - Quantitative histochemical mapping of candidate transmitter amino acids in cat cochlear nucleus - *J. Histochem. Cytochem.* 25 (1977) 417-431.
11. Packman, P.M., D.A. Godfrey, A.D. Williams and F.M. Matschinsky - Quantitative histochemical studies of the hypothalamus. Enzymes of acetylcholine metabolism - *J. Histochem. Cytochem.* 25 (1977) 1237-1246.
12. Godfrey, D.A., J.A. Carter, O.H. Lowry and F.M. Matschinsky - Distribution of  $\gamma$ -aminobutyric acid, glycine, glutamate and aspartate in the cochlear nucleus of the rat - *J. Histochem. Cytochem.* 26 (1978) 118-126.
13. Godfrey, D.A., C.D. Ross, A.D. Herrmann and F.M. Matschinsky - Distribution and derivation of cholinergic elements in the rat olfactory bulb - *Neuroscience* 5 (1980) 273-292.
14. Godfrey, D.A., C.D. Ross, J.A. Carter, O.H. Lowry and F.M. Matschinsky - Effect of intervening lesions on amino acid distributions in rat olfactory cortex and olfactory bulb - *J. Histochem. Cytochem.* 28 (1980) 1157-1169.
15. Godfrey, D.A. and F.M. Matschinsky - Quantitative distribution of choline acetyltransferase and acetylcholinesterase activities in the rat cochlear nucleus - *J. Histochem. Cytochem.* 29 (1981) 720-730.
16. Godfrey, D.A., L.M. Hallcher, M.H. Laird, F.M. Matschinsky and W.R. Sherman - Distribution of myo-inositol in the cat cochlear nucleus - *J. Neurochem.* 38 (1982) 939-947.
17. Godfrey, D.A. and F.M. Matschinsky - Isolation and chemical analysis of neuron soma samples from the cat cochlear nucleus - *Hear. Res.* 9 (1983) 3-11.
18. Ross, C.D., J.T. Smith and D.A. Godfrey - Regional distributions of choline acetyltransferase and acetylcholinesterase activities in layers of rat cerebellar vermis - *J. Histochem. Cytochem.* 31 (1983) 927-937.
19. Godfrey, D.A., J.L. Park, J.R. Rabe, J.D. Dunn and C.D. Ross - Effects of large brain stem lesions on the cholinergic system in the rat cochlear nucleus - *Hear. Res.* 11 (1983) 133-156.
20. Godfrey, D.A., M. Bowers, B.A. Johnson and C.D. Ross - Aspartate aminotransferase activity in fiber tracts of the rat brain - *J. Neurochem.* 42 (1984) 1450-1456.
21. Godfrey, D.A., J.L. Park and C.D. Ross - Choline acetyltransferase and acetylcholinesterase in centrifugal labyrinthine bundles of rats - *Hear. Res.* 14 (1984) 93-106.
22. Godfrey, D.A. and C.D. Ross - Enzymes of acetylcholine metabolism in the rat cochlea - *Ann. Otol. Rhinol. Laryngol.* 94 (1985) 409-414.
23. Ross, C.D., D.D. Dunning, L.I. Juengel and D.A. Godfrey - Laminar distributions of choline acetyltransferase and acetylcholinesterase activities in the inner plexiform layer of rat retina - *J. Neurochem.* 44 (1985) 1091-1099.
24. Ross, C.D. and D.A. Godfrey - Distributions of aspartate aminotransferase and malate dehydrogenase activities in rat retinal layers - *J. Histochem. Cytochem.* 33 (1985) 624-630.
25. Ross, C.D. and D.A. Godfrey - Distributions of choline acetyltransferase and acetylcholinesterase activities in layers of rat superior colliculus - *J. Histochem. Cytochem.* 33 (1985) 631-641.
26. Ross, C.D. and D.A. Godfrey - Effect of enucleation on choline acetyltransferase activity in layers of goldfish optic tectum - *Brain Res.* 373 (1986) 49-56.
27. Hellendall, R.P., D.A. Godfrey, C.D. Ross, D.M. Armstrong and J.L. Price - The distribution of choline acetyltransferase in the rat amygdaloid complex and adjacent cortical areas, as determined by quantitative micro-assay and immunohistochemistry - *J. Comp. Neurol.* 249 (1986) 486-498.
28. Wiet, G.J., D.A. Godfrey, C.D. Ross and J.D. Dunn - Quantitative distributions of aspartate aminotransferase and glutaminase activities in the rat cochlea - *Hear. Res.* 24 (1986) 137-150.

- 237-251.
33. Godfrey, D.A., J.L. Park-Hellendall, J.D. Dunn and C.D. Ross - Effects of trapezoid body and superior olive lesions on choline acetyltransferase activity in the rat cochlear nucleus - *Hear. Res.* 28 (1987) 253-270.
  34. Parli, J.A., D.A. Godfrey and C.D. Ross - Separate enzymatic microassays for aspartate aminotransferase isoenzymes - *Biochim. Biophys. Acta* 925 (1987) 175-184.
  35. Godfrey, D.A., L. Carlson and C.D. Ross - Quantitative inter-strain comparison of the distribution of choline acetyltransferase activity in the rat cochlear nucleus - *Hear. Res.* 31 (1987) 203-210.
  36. Oorjitham, E.G., D.A. Godfrey, C.D. Ross and J.D. Dunn - Effect of septal ablation on choline acetyltransferase in the paraventricular nucleus - *Brain Res. Bull.* 22 (1989) 277-282.
  37. Ross, C.D., J.A. Parli and D.A. Godfrey - Quantitative distribution of six amino acids in rat retinal layers - *Vision Res.* 29 (1989) 1079-1084.
  38. Eddy, P.L., D.A. Godfrey, J.A. Parli and C.D. Ross - Quantitative measurement of the choline acetyltransferase activity of the Mauthner cell axon - *Proc. Okla. Acad. Sci.* 69 (1989) 1-4.
  39. White, L.E., C.D. Ross and D.A. Godfrey - Distributions of choline acetyltransferase and acetylcholinesterase activities in the retinal layers of pigeon red and yellow fields - *Vision Res.* 30 (1990) 215-223.
  40. Wiet, G.J., D.A. Godfrey, J.A. Rubio and C.D. Ross - Quantitative distributions of aspartate aminotransferase and glutaminase activities in the guinea pig cochlea - *Ann. Otol. Rhinol. Laryngol.* 99 (1990) 353-358.
  41. Godfrey, D.A., G.J. Wiet, J.A. Parli, K.L. Beranek and C.D. Ross - Enzymes of transmitter and energy metabolism in rat middle ear and extraocular muscles - *Hear. Res.* 48 (1990) 187-194.
  42. Godfrey, D.A., K.L. Beranek, L. Carlson, J.A. Parli, J.D. Dunn and C.D. Ross - Contribution of centrifugal innervation to choline acetyltransferase activity in the cat cochlear nucleus - *Hear. Res.* 49 (1990) 259-280.
  43. Godfrey, D.A., R.F. Judkins, G.J. Wiet, J.A. Parli, C.D. Ross and A.M. Rubin - Enzymes of transmitter and energy metabolism in cat middle ear muscles - *Otolaryngol. Head Neck Surg.* 103 (1990) 799-804.
  44. White, L.E., C.D. Ross and D.A. Godfrey - Distributions of choline acetyltransferase and acetylcholinesterase activities in the retinal layers of red-tailed hawk and road runner - *J. Comp. Neurol.* 303 (1991) 53-62.
  45. Shore, S.E., R.H. Helfert, S.C. Bledsoe, Jr., R.A. Altschuler and D.A. Godfrey - Descending projections to the dorsal and ventral divisions of the cochlear nucleus in guinea pig - *Hear. Res.* 52 (1991) 255-268.
  46. Godfrey, D.A. and H.J. Waller - Sampling fluid from slice chambers by microsiphoning - *J. Neurosci. Meth.* 41 (1992) 167-173.
  47. Shore, S.E., D.A. Godfrey, R.H. Helfert, R.A. Altschuler and S.C. Bledsoe, Jr. - Connections between the cochlear nuclei in guinea pig - *Hear. Res.* 62 (1992) 16-26.
  48. Farms, W.B., D.A. Godfrey and A. Askari - Effect of copper-deficient diet on metabolism in rat auditory structures - *Hear. Res.* 67 (1993) 45-50.
  49. Yao, W. and D.A. Godfrey - Choline acetyltransferase in cochlear root neurons - *Hear. Res.* 69 (1993) 76-82.
  50. Waller, H.J. and D.A. Godfrey - Functional characteristics of spontaneously active neurons in rat dorsal cochlear nucleus in vitro - *J. Neurophysiol.* 71 (1994) 467-478.
  51. Godfrey, D.A., C.D. Ross, J.A. Parli and L. Carlson - Aspartate aminotransferase and glutaminase activities in rat olfactory bulb and cochlear nucleus; comparisons with retina and with concentrations of substrate and product amino acids - *Neurochem. Res.* 19 (1994) 693-703.

- nucleus. *Hear. Res.* **89** (1995) 137-145.
57. Ross, C.D., D.A. Godfrey and J.A. Parli - Amino acid concentrations and selected enzyme activities in rat auditory, olfactory, and visual systems - *Neurochem. Res.* **20** (1995) 1483-1490.
  58. Li, H., T.G. Godfrey, D.A. Godfrey and A.M. Rubin - Quantitative changes of amino acid distributions in the rat vestibular nuclear complex after unilateral vestibular ganglionectomy - *J. Neurochem.* **66** (1996) 1550-1564.
  59. Yao, W. and D.A. Godfrey - Autoradiographic distribution of muscarinic acetylcholine receptor subtypes in rat cochlear nucleus - *Auditory Neuroscience* **2** (1996) 241-255.
  60. Yao, W., D.A. Godfrey and A.I. Levey - Immunolocalization of muscarinic acetylcholine subtype 2 receptors in rat cochlear nucleus - *J. Comp. Neurol.* **373** (1996) 27-40.
  61. Waller, H.J., D.A. Godfrey and K. Chen - Effects of parallel fiber stimulation on neurons of rat dorsal cochlear nucleus - *Hear. Res.* **98** (1996) 169-179.
  62. Li, H., D.A. Godfrey and A.M. Rubin - Quantitative autoradiography of 5-[<sup>3</sup>H]-6-cyano-7-nitroquinoxaline-2,3-dione (CNQX) and (+)-3-[<sup>3</sup>H]-dibenzocyclohepteneimine (MK-801) binding in rat vestibular nuclear complex after unilateral deafferentation, with comparison to cochlear nucleus - *Neuroscience* **77** (1997) 473-484.
  63. Yao, W. and D.A. Godfrey - Densitometric evaluation of markers for cholinergic transmission in rat superior olivary complex - *Neurosci. Lett.* **229** (1997) 21-24.
  64. Chen, K., H.J. Waller and D.A. Godfrey - Effects of endogenous acetylcholine on spontaneous activity in rat dorsal cochlear nucleus slices - *Brain Res.* **783** (1998) 219-226.
  65. Yao, W. and D.A. Godfrey - Immunohistochemical evaluation of cholinergic neurons in the rat superior olivary complex - *Microsc. Res. Tech.* **41** (1998) 270-283.
  66. Kaltenbach, J.A., D.A. Godfrey, J.B. Neumann, D.L. McCaslin, C.E. Afman and J. Zhang - Changes in spontaneous neural activity in the dorsal cochlear nucleus following exposure to intense sound: relation to threshold shift. *Hear. Res.* **124** (1998) 78-84.
  67. Li, H., D.A. Godfrey and A.M. Rubin - Astrocyte reaction in the rat vestibular nuclei after unilateral removal of Scarpa's ganglion - *Ann. Otol. Rhinol. Laryngol.* **108** (1999) 181-188.
  68. Yao, W. and D.A. Godfrey - Vesicular acetylcholine transporter in the rat cochlear nucleus: an immunohistochemical study - *J. Histochem. Cytochem.* **47** (1999) 83-90.
  69. Yao, W. and D.A. Godfrey - Immunolocalization of  $\alpha 4$  and  $\alpha 7$  subunits of nicotinic receptor in rat cochlear nucleus - *Hear. Res.* **128** (1999) 97-102.
  70. Chen, K., H.J. Waller, T.G. Godfrey and D.A. Godfrey - Glutamatergic transmission of neuronal responses to carbachol in rat dorsal cochlear nucleus slices - *Neuroscience* **90** (1999) 1043-1049.
  71. Chen, K., L.K. Sprunger, M.H. Meisler, H.J. Waller and D.A. Godfrey - Reduced spontaneous activity in the dorsal cochlear nucleus of Scn8a mutant mice - *Brain Res.* **847** (1999) 85-89.
  72. Zheng, L., D.A. Godfrey, H.J. Waller, T.G. Godfrey, K. Chen and W. Kong - Metabolism of the dorsal cochlear nucleus in rat brain slices - *Hear. Res.* **143** (2000) 115-129.
  73. Zheng, L., D.A. Godfrey, H.J. Waller, T.G. Godfrey, K. Chen and Y. Sun - Effects of high-potassium-induced depolarization on amino acid chemistry of the dorsal cochlear nucleus in rat brain slices - *Neurochem. Res.* **25** (2000) 823-835.
  74. Chen, K. and D.A. Godfrey - Sodium pentobarbital abolishes bursting spontaneous activity of dorsal cochlear nucleus in rat brain slices - *Hear. Res.* (2000) 216-222.
  75. Godfrey, D.A., W.B. Farms, T.G. Godfrey, N.L. Mikesell and J. Liu - Amino acid concentrations in rat cochlear nucleus and superior olive - *Hear. Res.* **150** (2000) 189-205.
  76. Delp, M.D., R.B. Armstrong, D.A. Godfrey, M.H. Laughlin, C.D. Ross and M.K. Wilkerson - Exercise increases blood flow to locomotor, vestibular, cardiorespiratory and visual regions of the brain in miniature swine - *J. Physiol.* **533** (2001) 849-859.

81. Li, H., L.A. Dokas, D.A. Godfrey and A.M. Rubin - Remodeling of synaptic connections in the deafferented vestibular nuclear complex - *J. Vestib. Res.* 12 (2002) 167-183.
82. Godfrey, D.A., J. Xu, M.A. Godfrey, H. Li and A.M. Rubin - Effects of unilateral vestibular ganglionectomy on glutaminase activity in the vestibular nerve root and vestibular nuclear complex of the rat - *J. Neurosci. Res.* 77 (2004) 603-612.
83. Jin, Y.-M., D.A. Godfrey and Y. Sun - Effects of cochlear ablation on choline acetyltransferase activity in the rat cochlear nucleus and superior olive - *J. Neurosci. Res.* 81 (2005) 91-101.
84. Godfrey, D.A., M.A. Godfrey, D. Ding, K. Chen and R.J. Salvi - Amino acid concentrations in chinchilla cochlear nucleus at different times after carboplatin treatment - *Hear. Res.* 206 (2005) 64-73.
85. Jin, Y.-M., and D.A. Godfrey - Effects of cochlear ablation on muscarinic acetylcholine receptor binding in the rat cochlear nucleus - *J. Neurosci. Res.* 83 (2006) 157-166.
86. Jin, Y.-M., D.A. Godfrey, J. Wang and J.A. Kaltenbach - Effects of intense tone exposure on choline acetyltransferase activity in the hamster cochlear nucleus - *Hear. Res.* 216-217 (2006) 168-175.
87. Zhang, J.S., J.A. Kaltenbach, D.A. Godfrey and J. Wang - Origin of hyperactivity in the hamster dorsal cochlear nucleus following intense sound exposure - *J. Neurosci. Res.* 84 (2006) 819-831.
88. Sun, Y., D.A. Godfrey, T.G. Godfrey and A.M. Rubin - Changes of amino acid concentrations in the rat vestibular nuclei after inferior cerebellar peduncle transection - *J. Neurosci. Res.* 85 (2007) 558-574.
89. Sun, Y., D.A. Godfrey, K. Chen, L.K. Sprunger and A.M. Rubin - Comparison of  $\gamma$ -aminobutyrate receptors in the medial vestibular nucleus of control and *Scn8a* mutant mice - *Brain Res.* 1186 (2007) 188-193.
90. Godfrey, D.A., K. Chen, M.A. Godfrey, Y.-M. Jin, K.T. Robinson and C. Hair - Effects of cochlear ablation on amino acid concentrations in the chinchilla posteroventral cochlear nucleus, as compared to rat - *Neuroscience* 154 (2008) 304-314.
91. Godfrey, D.A., N.L. Mikesell, T.G. Godfrey, A.B. Fulcomer, W. Kong, M.A. Godfrey, J.A. Kaltenbach and J. Zhang - Effects of high-intensity sound exposure on neurotransmitter chemistry in the central auditory system - *Seminars in Hearing* 29 (2008) 259-269.
92. Kaltenbach, J.A. and D.A. Godfrey - Dorsal cochlear nucleus hyperactivity and tinnitus: Are they related? - *Am. J. Audiology* 17 (2008) S148-S161.
93. Chen, K., D.A. Godfrey, O. Ilyas, J. Xu and T. Preston - Cerebellum-related characteristics of *Scn8a*-mutant mice - *Cerebellum* 8 (2009) 192-201.
94. Sun, Y., D.A. Godfrey, M.A. Godfrey, S. Hong, Y.-M. Jin and A.M. Rubin - Changes of amino acid concentrations in the rat vestibular nuclei after midline lesions - *J. Vestib. Res.* 21 (2011) 175-191.
95. Godfrey, D.A., Y. Sun, C. Frisch, M.A. Godfrey and A.M. Rubin - Depolarization-induced release of amino acids from the vestibular nuclear complex - *Neurochem. Res.* 37 (2012) 732-739 (doi: 10.1007/s11064-011-0666-0).
96. Godfrey, D.A., J.A. Kaltenbach, K. Chen, O. Ilyas, X. Liu, F. Licari, J. Sacks and D. McKnight - Amino acid concentrations in the hamster central auditory system and long-term effects of intense tone exposure - *J. Neurosci. Res.* 90 (2012) 2214-2224 (doi: 10.1002/jnr.23095).
97. Godfrey, D.A., J.A. Kaltenbach, K. Chen and O. Ilyas - Choline acetyltransferase activity in the hamster central auditory system and long-term effects of intense tone exposure - *J. Neurosci. Res.* 91 (2013) 987-996 (doi: 10.1002/jnr.23227).
98. Godfrey, D.A., Y.-M. Jin, X. Liu and M.A. Godfrey - Effects of cochlear ablation on amino acid levels in the rat cochlear nucleus and superior olive - *Hear. Res.* 309 (2014) 44-54 (doi: 10.1016/j.heares.2014.04.001).

- A.I.A.A. Mustapha and R.S. Heffner – Volumes of cochlear nucleus regions in rodents – *Hear. Res.* 339 (2016) 161-174 (doi: 10.1016/j.heares.2016.07.003).
103. Godfrey, D.A., K. Chen, T.R. O'Toole and A.I.A.A. Mustapha – Amino acid and acetylcholine chemistry in the central auditory system of young, middle-aged and old rats – *Hear. Res.* 350 (2017) 173-188 (doi: 10.1016/j.heares.2017.05.002).
104. Frilling, M., G.J. Wiet, D.A. Godfrey, J.A. Parli, J.D. Dunn and C.D. Ross – Effects of surgical lesions on choline acetyltransferase activity in the cat cochlea – *Hear. Res.* 356 (2017) 16-24 (doi: 10.1016/j.heares.2017.09.014).
105. Criddle, M.W., D.A. Godfrey and J.A. Kaltenbach – Attenuation of noise-induced hyperactivity in the dorsal cochlear nucleus by pre-treatment with MK-801 – *Brain Res.* 1682 (2018) 71-77 (doi: 10.1016/j.brainres.2018.01.002).
106. Linker, L.A., L. Carlson, D.A. Godfrey, J.A. Parli and C.D. Ross – Quantitative distribution of choline acetyltransferase in rat trapezoid body – *Hear. Res.* 370 (2018) 264-271 (doi.org/10.1016/j.heares.2018.08.008).
107. Godfrey, D.A., N.L. Mikesell, T.G. Godfrey and J.A. Kaltenbach – Amino acid and acetylcholine chemistry in mountain beaver cochlear nucleus and comparisons to pocket gopher, other rodents, and cat – *Hear. Res.* 385 (2020) 107841 (doi.org/10.1016/j.heares.2019.107841).
108. Godfrey, D.A., J.L. Park, J.D. Dunn and C.D. Ross – Chemical effects of kainic acid injection into the rat superior olivary region – *HSOA Journal of Otolaryngology, Head & Neck Surgery* 6 (2020) 045 (doi: 10.24966/OHNS-010X/100045).
109. Godfrey, D.A., W.B. Farms, S. Polensek, J.D. Dunn and T.G. Godfrey – Effects of brainstem lesions on amino acid levels in the rat cochlear nucleus - *Hear. Res.* 403 (2021) 108187 (doi.org/10.1016/j.heares.2021.108187).
110. Godfrey, D.A., L. Carlson, J.L. Park and C.D. Ross – Enzymes of acetylcholine metabolism in the rat inferior colliculus – *Brain Res.* 1766 (2021) 147518 (doi.org/10.1016/j.brainres.2021.147518).

#### PUBLICATIONS AS SYMPOSIUM PROCEEDINGS AND BOOK CHAPTERS:

1. Kiang, N.Y.S., D.K. Morest, D.A. Godfrey, J.J. Guinan, Jr. and E. Cohen Kane - Stimulus coding at caudal levels of the cat's auditory nervous system. I. Response characteristics of single units - In: Basic Mechanisms in Hearing, Moller, A., ed. New York: Academic Press (1973) 455-478.
2. Morest, D.K., N.Y.S. Kiang, E. Cohen Kane, J.J. Guinan, Jr. and D.A. Godfrey - Stimulus coding at caudal levels of the cat's auditory nervous system. II. Patterns of synaptic organizations - In: Basic Mechanisms in Hearing, Moller, A., ed. New York: Academic Press (1973) 479-504.
3. Matschinsky, F.M., D.A. Godfrey, C.D. Ross and W.T. Norfleet - Quantitative histochemistry of gustatory and olfactory cholinergic pathways - In: Biochemistry of Taste and Olfaction, Cagan, R.H. and Kare, M.R., eds. New York: Academic Press (1981) 443-452.
4. Godfrey, D.A., J.L. Park, J.D. Dunn and C.D. Ross - Cholinergic neurotransmission in the cochlear nucleus - Auditory Biochemistry, Drescher, D.G., ed. Springfield, IL: Charles C. Thomas (1985) 163-183.
5. Godfrey, D.A., G.J. Wiet and C.D. Ross - Quantitative histochemistry of the cochlea - Neurobiology of Hearing: The Cochlea, Altschuler, R., Hoffman, D.W. and Bobbin, R.P., eds. New York: Raven Press (1986) 149-160.
6. Godfrey, D.A., J.A. Parli, J.D. Dunn and C.D. Ross - Neurotransmitter microchemistry of the cochlear nucleus and superior olivary complex - Auditory Pathway, Syka, J. and Masterton, R.B., eds. New York: Plenum Publ. Corp. (1988) 107-121.
7. Godfrey, D.A. - Comparison of quantitative and immunohistochemistry for choline acetyltransferase in the rat cochlear nucleus - The Mammalian Cochlear Nuclei: Organization and

and chemistry of the cochlear nucleus following intense sound exposure - Proceedings of the Fifth International Tinnitus Seminar, Reich, G.E. and Vernon, J.A., eds. Portland, OR: American Tinnitus Association (1996) 429-440.

11. Godfrey, D.A., T.G. Godfrey, N.L. Mikesell, H.J. Waller, W. Yao, K. Chen and J.A. Kaltenbach - Chemistry of granular and closely related regions of the cochlear nucleus - Acoustical Signal Processing in the Central Auditory System, Syka, J., ed. New York: Plenum Publ. Corp. (1997) 139-153.
12. Godfrey, D.A., N.L. Mikesell, T.G. Godfrey, A.B. Fulcomer, W. Kong, M.A. Godfrey, J. Zhang and J.A. Kaltenbach - Chemistry in the hamster dorsal cochlear nucleus after loud tone exposure - Proceedings of the Sixth International Tinnitus Seminar, Hazell, J., ed. London, UK: The Tinnitus and Hyperacusis Centre (1999) 203-208.
13. Chen, K., H. Chang, J. Zhang, J.A. Kaltenbach and D.A. Godfrey - Altered spontaneous activity in rat dorsal cochlear nucleus following loud tone exposure - Proceedings of the Sixth International Tinnitus Seminar, Hazell, J., ed. London, UK: The Tinnitus and Hyperacusis Centre (1999) 212-217.
14. Godfrey, D.A., H. Li, C.D. Ross and A.M. Rubin - Chemical comparisons between central vestibular and auditory systems - Neurochemistry of the Vestibular System, Beitz, A.J. and Anderson, J.H., eds. Boca Raton, FL: CRC Press (2000) 347-361.
15. Kaltenbach, J.A., and D.A. Godfrey - The cochlear nucleus as a generator of tinnitus-related signals - The Oxford Handbook of the Auditory Brainstem, Kandler, K., ed. New York, NY: Oxford University Press (2019) 189-222.

#### BOOKS EDITED:

1. Merchán, M.A., J.M. Juiz, D.A. Godfrey, and E. Mugnaini - The Mammalian Cochlear Nuclei: Organization and Function - New York: Plenum Publ. Corp. (1993).

#### TEXTUAL EDITING AND SUPPORT OF BOOKS:

1. Zheng, L. - Acupuncture and Hormone Balance - Morrisville, NC: Lulu (2008).
2. Musyoka, J.K. - He Speaks to Me. Hearing and Following the Holy Spirit - North Charleston, SC: CreateSpace (2017).
3. Musyoka, J.K. - From the Beginning It Was Not So. The Sanctity and Permanence of Marriage - North Charleston, SC: CreateSpace (2017).
4. Musyoka, J.K. - African or American? Cross-cultural Adventures of African Immigrants in the United States - Lexington, KY: Kindle Direct Publishing. Amazon.com (2019).

#### PUBLISHED ABSTRACTS:

1. Godfrey, D.A. - Physiological characteristics of octopus cells in the feline cochlear nucleus - *Anat. Rec.* 175 (1973) 329.
2. Lowry, O.H., D.A. Godfrey, J.A. Carter and F.M. Matschinsky - Quantitative distribution of alleged transmitter amino acids in the cochlear nucleus - *J. Acoust. Soc. Amer.* 56 Supplement (1974) S19.
3. Godfrey, D.A. - Mapping of chemical transmitter systems in the cochlear nucleus - *Trans. Am. Soc. Neurochem.* 1 (1976) 64.
4. Godfrey, D.A., C.D. Ross and A.D. Williams - Choline acetyltransferase and acetylcholinesterase in the olfactory system of the rat - *Soc. Neurosci. Abstr.* 3 (1977) 78
5. Ross, C.D., D.A. Godfrey, A.D. Williams and F.M. Matschinsky - Evidence for a central origin of cholinergic structures in the olfactory bulb - *Soc. Neurosci. Abstr.* 4 (1978) 91.

10. Godfrey, D.A., J.R. Rabe, J.D. Dunn and C.D. Ross - Choline acetyltransferase and acetylcholinesterase activities in the rat cochlear nucleus following transection of centrifugal pathways - Abstr. AAO-ARO Research Forum (Sept. 1980) 14.
11. Godfrey, D.A. - Microchemical mapping studies of neurotransmitter chemistry in the cochlear nucleus - J. Acoust. Soc. Amer. 68, Supplement 1 (1980) S64.
12. Godfrey, D.A., J.L. Park, J.R. Rabe, J.D. Dunn, J.T. Smith and C.D. Ross - Quantitative evaluation of centrifugal cholinergic pathways to the rat cochlear nucleus - Soc. Neurosci. Abstr. 7 (1981) 56.
13. Ross, C.D., J.T. Smith and D.A. Godfrey - Distributions of choline acetyltransferase and acetylcholinesterase activities in regions and layers of rat cerebellum - Soc. Neurosci. Abstr. 7 (1981) 76.
14. Dunning, D.D., C.D. Ross and D.A. Godfrey - The distribution of acetylcholinesterase activity in rat retina - Soc. Neurosci. Abstr. 7 (1981) 276.
15. Godfrey, D.A., J.L. Park, J.D. Dunn and C.D. Ross - Enzymes of acetylcholine metabolism in centrifugal fibers to the inner ear of the rat - Soc. Neurosci. Abstr. 8 (1982) 346.
16. Ross, C.D., J.L. Park, K.G. Ledbetter and D.A. Godfrey - Distributions of choline acetyltransferase and acetylcholinesterase activities in layers of rat superior colliculus - Soc. Neurosci. Abstr. 8 (1982) 206.
17. Dodds, S.J., D.A. Godfrey and R.C. Burgus - Ventromedial hypothalamic somatostatin implicated as a signal for hunger in rats - Fed. Proc. 42 (1983) 1873.
18. Godfrey, D.A., J.L. Park, J.D. Dunn and C.D. Ross - Choline acetyltransferase activity in the cochlea of the rat - Physiologist 26 (1983) A-104.
19. Godfrey, D.A., J.L. Park, J.D. Dunn and C.D. Ross - Effects of kainic acid on the superior olivary complex of the rat - Soc. Neurosci. Abstr. 9 (1983) 211.
20. Ross, C.D., R.P. Hellendall and D.A. Godfrey - Effect of surgical lesions on choline acetyltransferase activity in rat cerebellar nodulus - Soc. Neurosci. Abstr. 9 (1983) 1091.
21. Godfrey, D.A., J.L. Park, J.D. Dunn and C.D. Ross - Quantitative histochemical studies of cholinergic auditory pathways - Abstr. Assoc. Res. Otolaryngol. 7 (1984) 133.
22. Ross, C.D. and D.A. Godfrey - Choline acetyltransferase (ChAT) activity in layers of goldfish optic tectum following eye removal - Soc. Neurosci. Abstr. 10 (1984) 575.
23. Dunning, D.D., D.A. Godfrey, C.D. Ross and R.B. Armstrong - Microchemical determination of choline acetyltransferase activity in retrogradely-labeled motoneurons of sedentary and exercised rats - Soc. Neurosci. Abstr. 10 (1984) 682.
24. Godfrey, D.A. and C.D. Ross - Quantitative distribution of aspartate aminotransferase activity in cochlear nucleus, olfactory bulb and retina of albino rats - Soc. Neurosci. Abstr. 10 (1984) 991.
25. Godfrey, D.A., K.L. Beranek, L. Carlson, J.D. Dunn and C.D. Ross - Centrifugal cholinergic projections to subregions of cat cochlear nucleus - Soc. Neurosci. Abstr. 11 (1985) 1052.
26. Parli, J.A., D.A. Godfrey and C.D. Ross - Separate enzymatic assays for cytosolic and mitochondrial aspartate aminotransferase activities - Soc. Neurosci. Abstr. 11 (1985) 107.
27. Ross, C.D., M. Bowers and D.A. Godfrey - Distributions of aspartate aminotransferase and phosphate-dependent glutaminase activities among retinal layers - Soc. Neurosci. Abstr. 11 (1985) 1216.
28. Wiet, G.J., D.A. Godfrey, C.D. Ross and J.D. Dunn - Quantitative distributions of aspartate aminotransferase and glutaminase activities in the cochlea - Soc. Neurosci. Abstr. 11 (1985) 1048.
29. Godfrey, D.A., G.J. Wiet, J.A. Parli, K.L. Beranek and C.D. Ross - Activities of enzymes of transmitter and energy metabolism in the middle ear muscles of the rat - Abstr. Assoc. Res.

- cochlear nucleus compared among three strains of rat - Soc. Neurosci. Abstr. 12 (1986) 1265.
34. Godfrey, D.A., J.A. Parli, J.D. Dunn and C.D. Ross - Neurotransmitter microchemistry of the cochlear nucleus and superior olivary complex - Abstracts of the Symposium on Auditory Pathway - Structure and Function, Prague, August 23-26, 1987, p. 25.
35. Godfrey, D.A., J.A. Parli, M.J. Blavati, J.D. Dunn and C.D. Ross - Effects of surgical lesions upon amino acid concentrations in cat cochlear nucleus - Soc. Neurosci. Abstr. 13 (1987) 545.
36. White, L.E., C.D. Ross and D.A. Godfrey - Distributions of choline acetyltransferase and acetylcholinesterase activities in the retinal layers of three avian species - Soc. Neurosci. Abstr. 13 (1987) 1058.
37. Parli, J.A., J.E. Schemenaur, D.A. Godfrey and C.D. Ross - Amino acid concentrations in rat auditory, olfactory and visual structures - Soc. Neurosci. Abstr. 13 (1987) 1288.
38. Godfrey, D.A., L. Carlson, J.A. Parli and C.D. Ross - Distribution of choline acetyltransferase activity in the trapezoid body of the rat - Soc. Neurosci. Abstr. 14 (1988) 490.
39. Ross, C.D., W.B. Farms, J.D. Dunn and D.A. Godfrey - Effect of lesions involving the parabigeminal nuclei on choline acetyltransferase and acetylcholinesterase activities in rat superior colliculus - Soc. Neurosci. Abstr. 14 (1988) 830.
40. Wiet, G.J., D.A. Godfrey, J.D. Dunn and C.D. Ross - Quantitative measurement of choline acetyltransferase activity in the cat cochlea - Abstr. Assoc. Res. Otolaryngol. 12 (1989) 342.
41. Shore, S.E., R.H. Helfert, S.C. Bledsoe, R.A. Altschuler and D.A. Godfrey - Descending connections to the guinea pig cochlear nucleus complex - Abstr. Assoc. Res. Otolaryngol. 12 (1989) 346.
42. Ross, C.D., J.A. Parli, R.J. Ryder, W.B. Farms and D.A. Godfrey - Quantitative distributions of amino acids and related enzyme activities in layers of rat superior colliculus - Soc. Neurosci. Abstr. 15 (1989) 791.
43. Judkins, R.F., D.A. Godfrey, G.J. Wiet, J.A. Parli and C.D. Ross - Effects of denervation on enzymes of transmitter and energy metabolism in the middle ear muscles of the cat - Otolaryngol. Head Neck Surg. 101 (1989) 186-187.
44. Godfrey, D.A. and C.D. Ross - Quantitative chemistry of neurotransmitters in the cochlear nucleus and superior olive - Abstr. Assoc. Res. Otolaryngol. 13 (1990) 123-124.
45. Shore, S.E., D.A. Godfrey, R.H. Helfert, S.C. Bledsoe, Jr. and R.A. Altschuler - Intrinsic and contralateral connections between cochlear nucleus subdivisions in the guinea pig - Abstr. Assoc. Res. Otolaryngol. 13 (1990) 335.
46. Waller, H.J. and D.A. Godfrey - Spontaneous neural activity in slices of rat cochlear nucleus in vitro - Abstr. Assoc. Res. Otolaryngol. 13 (1990) 398.
47. Farms, W.B., D.A. Godfrey and A. Askari - The effect of a copper-deficient diet on enzyme activities in rat auditory structures - Ohio J. Sci. 90 (1990) 18.
48. Godfrey, D.A. and C.D. Ross - Acetylcholine chemistry in the inferior colliculus - Otolaryngol. Head Neck Surg. 103 (1990) 230.
49. Godfrey, D.A., H.J. Waller and W.B. Farms - Amino acid concentrations in cochlear nucleus of perfused rat brain slices - Soc. Neurosci. Abstr. 16 (1990) 721.
50. Waller, H.J. and D.A. Godfrey - Spontaneous discharge patterns of dorsal cochlear nucleus neurons in rat brain slices - Soc. Neurosci. Abstr. 16 (1990) 721.
51. Godfrey, D.A. and M.L. Heaney - Immunoreactivity for choline acetyltransferase in the rat cochlear nucleus and superior olive - Abstr. Assoc. Res. Otolaryngol. 14 (1991) 10.
52. Shore, S.E., D.A. Godfrey, R.H. Helfert, S.C. Bledsoe, Jr., and R.A. Altschuler - The organization of connections between the two cochlear nuclei in the guinea pig - Abstr. Assoc. Res. Otolaryngol. 14 (1991) 140.

- from brainstem slices during neuron recordings - Soc. Neurosci. Abstr. 17 (1991) 412.
57. Godfrey, D.A., A.E. Newman, W.B. Farms, J.M. Felix, R.A. Altschuler, D.O. Hartshorn and J.M. Miller - Effects of cochlear destruction and stimulation on structure and amino acid chemistry in the adult guinea pig cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 15 (1992) 56.
58. Waller, H.J., D.A. Godfrey, K. Chen and W.B. Farms - Release of amino acids from slices of rat brain stem during extracellular recordings from single neurons of dorsal cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 15 (1992) 61.
59. Yao, W. and D.A. Godfrey - Quantitative evidence that cochlear root neurons are not cholinergic - Soc. Neurosci. Abstr. 18 (1992) 1036.
60. Chen, K., H.J. Waller and D.A. Godfrey - Effects of cholinergic agonists and antagonists on spontaneous activity of rat dorsal cochlear nucleus neurons: in vitro studies - Soc. Neurosci. Abstr. 18 (1992) 1036.
61. Godfrey, D.A., W.B. Farms and H. Li - Amino acid concentrations in eighth nerve sensory nuclei of the rat - Abstr. Assoc. Res. Otolaryngol. 16 (1993) 22.
62. Chen, K., H.J. Waller and D.A. Godfrey - Cholinergic effects on spontaneous activity of rat dorsal cochlear nucleus neurons - Abstr. Assoc. Res. Otolaryngol. 16 (1993) 122.
63. Li, H., D.A. Godfrey, and A.M. Rubin - Quantitative distribution of amino acids in the rat vestibular nuclei - Otolaryngol. Head Neck Surg. 109 (1993) 266.
64. Li, H., T.G. Godfrey, D.A. Godfrey and A.M. Rubin - Changes in amino acid distributions in rat vestibular complex after unilateral removal of Scarpa's ganglion - Soc. Neurosci. Abstr. 19 (1993) 136.
65. Chen, K., G.E. Green, H.J. Waller, D.G. Drescher and D.A. Godfrey - Muscarinic receptor subtypes in rat cochlear nucleus - Soc. Neurosci. Abstr. 19 (1993) 1131.
66. Shannon-Hartman, S., D.A. Godfrey, J.D. Dunn, T.G. Godfrey and W.B. Farms - Effects of large brain stem lesions on amino acid chemistry in the rat cochlear nucleus - Soc. Neurosci. Abstr. 19 (1993) 533.
67. Yao, W., G.C. Budd and D.A. Godfrey - Muscarinic acetylcholine receptors in rat cochlear nucleus: an *in situ* hybridization study - Abstr. Assoc. Res. Otolaryngol. 17 (1994) 12.
68. Waller, H.J., D.A. Godfrey and K. Chen - Responses of dorsal cochlear nucleus neurons to electrical stimulation of parallel fibers in rat brain stem slices - Abstr. Assoc. Res. Otolaryngol. 17 (1994) 12.
69. Chen, K., H.J. Waller and D.A. Godfrey - Effects of endogenous acetylcholine on spontaneous activity in rat dorsal cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 17 (1994) 12.
70. Chen, K., H.J. Waller and D.A. Godfrey - Glutamate antagonists affect cholinergic activation of bursting neurons in rat dorsal cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 17 (1994) 13.
71. Shore, S.E. and D.A. Godfrey - Connections from ventral to dorsal cochlear nucleus in rat and guinea pig - Abstr. Assoc. Res. Otolaryngol. 17 (1994) 27.
72. Li, H., D.A. Godfrey and A.M. Rubin - Removal of primary vestibular inputs: A combined anatomical and behavioral study of surgeries in rat - Abstr. Assoc. Res. Otolaryngol. 17 (1994) 37.
73. Li, H., L.A. Dokas, D.A. Godfrey and A.M. Rubin - Changes of GAP-43 immunoreactivity during vestibular compensation in rat - Otolaryngol. Head Neck Surg. 111 (1994) P153.
74. Waller, H.J., D.A. Godfrey, K. Chen and T.G. Godfrey - Release of glutamate from cochlear nucleus of rat brain stem slices by electrical stimulation of parallel fibers - Soc. Neurosci. Abstr. 20 (1994) 137.
75. Li, H., D. Godfrey and A.M. Rubin - Receptor binding autoradiography and immunohistochemistry of non-NMDA receptors in rat vestibular nuclear complex - Soc. Neurosci. Abstr. 20 (1994) 570.
76. Yao, W. and D.A. Godfrey - Muscarinic acetylcholine receptors in rat cochlear nucleus:

80. Benjamin, L.C. III, D.A. Godfrey, R.S. Heffner and J.A. Kaltenbach - Volumes of cochlear nucleus regions in mountain beaver compared with other rodents - *Otolaryngol. Head Neck Surg.* 113 (1995) P100.
81. Li, H., D.A. Godfrey and A.M. Rubin - Quantitative distribution of (+)-3-(<sup>3</sup>H)-dibenzocyclohepteneimine (MK-801) binding in rat vestibular nuclear complex before and after unilateral vestibular deafferentation - *Otolaryngol. Head Neck Surg.* 113 (1995) P139.
82. Yao, W., D.A. Godfrey and A.I. Levey - Immunolocalization of m2 muscarinic acetylcholine receptor in rat cochlear nucleus - *Soc. Neurosci. Abstr.* 21 (1995) 403.
83. Liu, J., T.G. Godfrey and D.A. Godfrey - Distribution of amino acid neurotransmitters in rat superior olivary complex - *Soc. Neurosci. Abstr.* 21 (1995) 403.
84. Sun, Y., H.J. Waller, D.A. Godfrey and A.M. Rubin - Distribution of spontaneously active neurons in medial and lateral vestibular nuclei of rat brainstem slices - *Soc. Neurosci. Abstr.* 21 (1995) 918.
85. Li, H., A.B. Squire, D.A. Godfrey and A.M. Rubin - Quantitative distribution of choline acetyltransferase activity in rat vestibular nuclear complex - *Soc. Neurosci. Abstr.* 21 (1995) 918.
86. Sun, Y., H.J. Waller, D.A. Godfrey and A.M. Rubin - Muscarinic cholinergic effects on vestibular nuclear neurons in rat brainstem slices - *Abstr. Assoc. Res. Otolaryngol.* 19 (1996) 20.
87. Yao, W. and D.A. Godfrey - Autoradiographic localization of subtype-preferential muscarinic antagonist binding in rat cochlear nucleus - *Abstr. Assoc. Res. Otolaryngol.* 19 (1996) 166.
88. Li, H., L.A. Dokas, D.A. Godfrey and A.M. Rubin - Immunocytochemical study of GAP-43 changes in the rat vestibular nuclear complex after unilateral deafferentation - *Abstr. Assoc. Res. Otolaryngol.* 19 (1996) 172.
89. Godfrey, D.A., T.G. Godfrey, N.L. Mikesell, H.J. Waller, W. Yao and J.A. Kaltenbach - Chemistry of granular and closely related regions of the cochlear nucleus - Abstracts of the Symposium on Acoustical Signal Processing in the Central Auditory System, Prague, September 4-7, 1996, p. 8.
90. Li, H., D.A. Godfrey and A.M. Rubin - Astrocytic reaction in the rat vestibular nuclear complex after unilateral removal of Scarpa's ganglion, revealed by immunohistochemistry for glial fibrillary acidic protein (GFAP) - *Otolaryngol. Head Neck Surg.* 115 (1996) 129.
91. Zheng, L., D.A. Godfrey, T.G. Godfrey and H.J. Waller - Amino acids in rat cochlear nucleus slices - *Soc. Neurosci. Abstr.* 22 (1996) 125.
92. Yao, W. and D.A. Godfrey - Densitometric evaluation of markers for cholinergic transmission in rat superior olivary complex - *Soc. Neurosci. Abstr.* 22 (1996) 125.
93. Godfrey, D.A., N.L. Mikesell, T.G. Godfrey and J.A. Kaltenbach - Neurotransmitter chemistry in the cochlear nucleus of the mountain beaver - *Soc. Neurosci. Abstr.* 22 (1996) 126.
94. Li, H., D.A. Godfrey and A.M. Rubin - Projections of vestibular nerve to vestibular nuclear complex and cerebellum: an HRP study in rat - *Soc. Neurosci. Abstr.* 22 (1996) 1831.
95. Sun, Y., H.J. Waller, D.A. Godfrey and A.M. Rubin - Effects of GABA receptor agonists on medial vestibular neurons in rat brainstem slices - *Soc. Neurosci. Abstr.* 22 (1996) 1832.
96. Yao, W. and D.A. Godfrey - Electron microscopic histochemistry for acetylcholinesterase in the dorsal cochlear nucleus of rat - *J. Acoust. Soc. Amer.* 100 (1996) 2629.
97. Godfrey, D.A., N.L. Mikesell, A.B. Fulcomer, T.G. Godfrey and J.A. Kaltenbach - Chemistry of the hamster cochlear nucleus - *J. Acoust. Soc. Amer.* 100 (1996) 2787.
98. Li, H., W. Kong, D.A. Godfrey and A.M. Rubin - Immunohistochemical study of metabotropic glutamate receptors in rat vestibular nuclear complex and vestibulocerebellum - *Abstr. Assoc. Res. Otolaryngol.* 20 (1997) 93.
99. Yao, W. and D.A. Godfrey - Immunolocalization of vesicular acetylcholine transporter in rat cochlear nucleus - *Abstr. Assoc. Res. Otolaryngol.* 20 (1997) 85.
100. Zheng, L., D.A. Godfrey and T.G. Godfrey - ATP concentrations in rat dorsal cochlear nucleus in

- receptor subtype 1 $\alpha$  (mGluR1 $\alpha$ ) in rat vestibular nuclear complex - Soc. Neurosci. Abstr. 23 (1997) 1289.
105. Sun, Y., T.G. Godfrey, W. Kong, D.A. Godfrey and A.M. Rubin - Changes of amino acid concentrations in vestibular nuclei of rat after unilateral removal of cerebellar input - Soc. Neurosci. Abstr. 23 (1997) 1290.
106. Zheng, L., D.A. Godfrey, H.J. Waller, K. Chen and T.G. Godfrey - Effects of increased K<sup>+</sup> on release and content of amino acids in slices of rat cochlear nucleus - Soc. Neurosci. Abstr. 23 (1997) 1757.
107. Sun, Y., D.A. Godfrey, H.J. Waller and A.M. Rubin - Receptors for cholinergic effects on medial vestibular neurons in rat brainstem slices - Abstr. Assoc. Res. Otolaryngol. 21 (1998) 12.
108. Chen, K., A.R. Jones, W. Kong, H.J. Waller and D.A. Godfrey - Effects of prior transection of centrifugal pathways on spontaneous activity in dorsal cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 21 (1998) 97.
109. Kaltenbach, J.A., D.A. Godfrey and J. Neumann - Onset of tone-induced hyperactivity in the dorsal cochlear nucleus: A possible neural correlate of tinnitus with delayed onset after noise exposure - Abstr. Assoc. Res. Otolaryngol. 21 (1998) 97.
109. Hamilton, W.D., L.C. Benjamin III, D.A. Godfrey and R.S. Heffner - Volumes of cochlear nucleus regions compared among mammals - Abstr. Assoc. Res. Otolaryngol. 21 (1998) 102.
110. Li, H., L.A. Dokas, D.A. Godfrey and A.M. Rubin - Remodeling of synaptic connections in the deafferented vestibular nuclear complex - Abstr. Assoc. Res. Otolaryngol. 21 (1998) 144.
111. Yao, W. and D.A. Godfrey - Immunolocalization of alpha 4 and alpha 7 subunits of the nicotinic acetylcholine receptor in the rat cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 21 (1998) 210.
112. Godfrey, D.A., J.A. Kaltenbach, N.L. Mikesell, T.G. Godfrey and W. Kong - Effects of loud tone exposure on amino acid concentrations in the hamster dorsal cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 21 (1998) 210.
113. Chen, K., L.K. Sprunger, M.H. Meisler, H.J. Waller and D.A. Godfrey - Reduced spontaneous activity in the dorsal cochlear nucleus of Scn8a mutant mice - Soc. Neurosci. Abstr. 24 (1998) 1634.
114. Zheng, L., D.A. Godfrey, H.J. Waller, K. Chen and T.G. Godfrey - Effects of high K<sup>+</sup> and PDC on amino acid concentrations in rat cochlear nucleus slices - Soc. Neurosci. Abstr. 24 (1998) 1635.
115. Sun, Y., T.G. Godfrey, D.A. Godfrey and A.M. Rubin - Effects of inferior cerebellar peduncle transections on amino acid distributions in rat vestibular nuclei - Soc. Neurosci. Abstr. 24 (1998) 1654.
116. Chen, K., Y. Sun, A.R. Jones, M.A. Godfrey and D.A. Godfrey - Changes of choline acetyltransferase activity in the cochlear nucleus following unilateral chemical lesion of the superior olive - Abstr. Assoc. Res. Otolaryngol. 22 (1999) 70.
117. Waller, H.J., D.A. Godfrey and K. Chen - Neuronal responses and amino acid release to electrical stimulation of dorsal cochlear nucleus parallel fibers in rat brainstem slices - Abstracts of the Hearing Science Symposium for Practicing Otolologists, Beijing, May 17-22, 1999, p. 53.
118. Chen, K., H.J. Waller and D.A. Godfrey - Glutamatergic transmission of neuronal responses to an acetylcholine agonist in dorsal cochlear nucleus of rat brainstem slices - Abstracts of the Hearing Science Symposium for Practicing Otolologists, Beijing, May 17-22, 1999, p. 54.
119. Godfrey, D.A., K. Chen and H.J. Waller - Acetylcholine as a neurotransmitter in the cochlear nucleus - Abstracts of the Hearing Science Symposium for Practicing Otolologists, Beijing, May 17-22, 1999, p. 54-55.
120. Sun, Y., T.G. Godfrey, D.A. Godfrey and A.M. Rubin - Plasticity for amino acids in rat vestibular nuclei after cerebellar peduncle lesions - Abstracts of the Hearing Science Symposium for

- activity in the dorsal cochlear nucleus of Scn8a mutant mice - Abstracts of the Second Symposium on Molecular Mechanisms in Central Auditory Function and Plasticity, Park City, Utah, USA, June 25-27, 1999, p. 35.
124. Kaltenbach, J.A., H.E. Heffner, D.A. Godfrey and J. Zhang - Effects of noise trauma on spontaneous activity in the dorsal cochlear nucleus and its relation to tinnitus - Sixth International Tinnitus Seminar Abstracts, Cambridge, UK, September 5-9, 1999, p. 11.
  125. Godfrey, D.A., N.L. Mikesell, T.G. Godfrey, A.B. Fulcomer, W. Kong, J. Zhang and J.A. Kaltenbach - Chemistry in the hamster dorsal cochlear nucleus after loud tone exposure - Sixth International Tinnitus Seminar Abstracts, Cambridge, UK, September 5-9, 1999, p. 18.
  126. Chen, K., H. Chang, J. Zhang, J.A. Kaltenbach and D.A. Godfrey - Altered spontaneous activity in rat dorsal cochlear nucleus following loud tone exposure - Sixth International Tinnitus Seminar Abstracts, Cambridge, UK, September 5-9, 1999, p. 19.
  127. Chen, K. and D.A. Godfrey - Pentobarbital abolishes bursting spontaneous activity of dorsal cochlear nucleus in rat brain slices - Soc. Neurosci. Abstr. 25 (1999) 394.
  128. Sun, Y., D.A. Godfrey and A.M. Rubin - Effects of GABA receptor agonists and antagonists on medial vestibular neurons in rat brainstem slices after bilateral transection of the inferior cerebellar peduncle - Soc. Neurosci. Abstr. 25 (1999) 665.
  129. Li, H., L.A. Dokas, D.A. Godfrey and A.M. Rubin - Immunocytochemistry of SNAP-25 and syntaxin in the deafferented vestibular nuclear complex: evidence of remodeling of synaptic connections during vestibular compensation - Soc. Neurosci. Abstr. 25 (1999) 666.
  130. Li, Y., D. Godfrey, M. Godfrey, D. Ding and R. Salvi - Effects of carboplatin on amino acid concentrations in chinchilla cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 23 (2000) 269.
  131. Godfrey, D., N. Mikesell and T. Godfrey - Correlations between glycine and GABA concentrations in the cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 23 (2000) 110.
  132. Li, Y., D.A. Godfrey, M.A. Godfrey, D. Ding and R. Salvi - Amino acid concentrations in chinchilla cochlear nucleus after carboplatin injection - Ohio J. Sci. 100 (2000) 13.
  133. Xu, J., K. Chen, L.K. Sprunger, M.H. Meisler, Y. Jin and D.A. Godfrey - PEP-19 immunoreactivity in eighth cranial nerve nuclei and cerebellum of Scn8a mutant mice - Soc. Neurosci. Abstr. 26 (2000) 1535.
  134. Sun, Y., M.A. Godfrey, Y. Jin, D.A. Godfrey and A.M. Rubin - Changes of amino acid concentrations in rat vestibular nuclei after midline lesion of the brain stem - Abstr. Assoc. Res. Otolaryngol. 24 (2001) 125.
  135. Preston, T.W., K. Chen, L.K. Sprunger, M.H. Meisler and D.A. Godfrey - GABA immunoreactivity in cochlear nucleus, inferior colliculus, and cerebellum of Scn8a mutant mice (medJ) - Abstr. Assoc. Res. Otolaryngol. 24 (2001) 197.
  136. Chang, H., K. Chen, J.A. Kaltenbach, J. Zhang and D.A. Godfrey - Effects of loud sound exposure on acetylcholine receptors in rat brain slices - Abstr. Assoc. Res. Otolaryngol. 24 (2001) 274.
  137. Chen, K., J.A. Kaltenbach, J. Zhang and D.A. Godfrey - PEP-19 and GABA immunoreactivity in cochlear nucleus, inferior colliculus and cerebellum of hamsters after loud sound exposure - Abstr. Assoc. Res. Otolaryngol. 24 (2001) 274.
  138. Jin, Y., Y. Sun and D.A. Godfrey - Western blotting quantification of GAP-43 expression in the cochlear nuclei of rats with unilateral cochlear ablation - Abstr. Assoc. Res. Otolaryngol. 24 (2001) 277.
  139. Li, Y., D.A. Godfrey, M.A. Godfrey, D. Ding and R.J. Salvi - Effects of carboplatin on glutaminase activities in regions of the chinchilla cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 24 (2001) 277-278.
  140. Jin, Y., Y. Sun and D.A. Godfrey - BCL-2 and GDNF expression in adult rats after cochlear ablation

144. Godfrey, D.A., J. Xu, M.A. Godfrey, H. Li and A.M. Rubin - Glutaminase activity in the vestibular nerve root and nuclei after unilateral ganglionectomy - Soc. Neurosci. Abstr. 28 (2002).
145. Sun, Y., Y.-M. Jin, M. Godfrey, D.A. Godfrey and A.M. Rubin - Potassium-stimulated release of glutamate, GABA, and glycine from slices of rat vestibular nuclei - Soc. Neurosci. Abstr. 28 (2002).
146. Chen, K., X. Song and D.A. Godfrey - Effects of sodium salicylate on spontaneous activity of dorsal cochlear nucleus neurons - Abstr. Assoc. Res. Otolaryngol. 26 (2003) 37.
147. Chen, K., M.A. Godfrey and D.A. Godfrey - Effects of intense sound exposure on amino acid concentrations in rat cochlea, cochlear nucleus and inferior colliculus - Abstr. Assoc. Res. Otolaryngol. 27 (2004) 115 (Abstr #341).
148. Brescia, A.I., R.D. Frisina, K. Chen, and D. Godfrey - Volumes of superior olivary nuclei of CBA mice during aging - Abstr. Assoc. Res. Otolaryngol. 27 (2004) 217 (Abstr #645).
149. Godfrey, D.A., Y. Jin and M.A. Godfrey - Effects of cochlear ablation on amino acid concentrations in rat cochlear nucleus and superior olive - Abstr. Assoc. Res. Otolaryngol. 27 (2004) 299 (Abstr #886).
150. Jin, Y. and D.A. Godfrey - Choline acetyltransferase in the lateral superior olive and ventral nucleus of the trapezoid body of cochlea-ablated rats - Abstr. Assoc. Res. Otolaryngol. 27 (2004) 300 (Abstr #887).
151. Chen, K., X. Song and D.A. Godfrey - Effects of tinnitus-inducing factors, salicylate and quinine, on neuronal spontaneous activity and response to carbachol in the rat dorsal cochlear nucleus - Abstr. Assoc. Res. Otolaryngol. 27 (2004) 302 (Abstr #894).
152. Robinson, K., D.A. Godfrey, K. Chen and M.A. Godfrey - Cochlear ablation effects on cochlear nucleus chemistry - Otolaryngol. Head Neck Surg. 137 (2007) P188.
153. Robinson, K., D.A. Godfrey and M.A. Godfrey - Rostral cochlear nucleus changes after cochlear ablation - Otolaryngol. Head Neck Surg. 139 (2008) P194.
154. O'Toole, T.R., D.A. Godfrey and K. Chen - Age related volume changes in superior olivary complex nuclei of F344BN rats - Abstr. Assoc. Res. Otolaryngol. 32 (2009) 30 (Abstr #86).
155. Godfrey, D.A. and K. Chen - Amino acid concentrations in the central auditory system of young and old rats - Abstr. Assoc. Res. Otolaryngol. 32 (2009) 30-31 (Abstr #88).
156. Godfrey, D.A., X. Liu, F. Licari and J.A. Kaltenbach - Intense tone effects on central auditory system amino acid concentrations - Abstr. Assoc. Res. Otolaryngol. 32 (2009) 31 (Abstr #89).
157. Hong, S., Y. Sun, D.A. Godfrey, M.A. Godfrey, K. Wong and A.M. Rubin - Effects of commissural pathway transections on vestibular nuclear amino acid concentrations - Abstr. Assoc. Res. Otolaryngol. 32 (2009) 323 (Abstr #953).
158. Crass, S., D.A. Godfrey, K. Chen, M.A. Godfrey and Y. Medhkour - Changes of glutamate concentration in relation to neuron density in the chinchilla anteroventral cochlear nucleus following cochlear ablation - Abstr. Assoc. Res. Otolaryngol. 33 (2010) 82 (Abstr #237).
159. Frisch, C., D. Godfrey and Y. Sun - Release of amino acids from vestibular nuclei - Otolaryngol. Head Neck Surg. 143 (2010) P245-P246.
160. Godfrey, D.A. - Neurochemistry studied with the microchemical methods of Oliver H. Lowry - Journal of Neurochemistry 125 (Suppl. 1) (2013) 10.

#### PUBLISHED GENERAL-INTEREST ARTICLES

1. Godfrey, D.A. and C.D. Ross - Keepers of the barnyard: a Biblical perspective on animal rights - Does God Exist? 16 (1989) 12-16.
2. Godfrey, D. - Who needs diabetes educators? - Healthy Living (March, 2007) 9.
3. Godfrey, D. and L. Godfrey - If you have diabetes, you need to know how to control it - The Sojourner's Truth Vol. 13, No. 19 (March 5, 2008) 10.

#### INVITED PRESENTATIONS:

1. Seminar at Southern Illinois University School of Medicine, Springfield, Illinois, 1972.
2. "Physiological characteristics of octopus cells in the feline cochlear nucleus" - American Association of Anatomists 86th Session, New York, New York, April 1973.
3. "An attempt to correlate physiological, anatomical and biochemical data for the cochlear nucleus of the cat" - 5th Annual Washington University Neurosciences Symposium, St. Louis, Missouri, May 1973.
4. "Mapping of chemical transmitter systems in the cochlear nucleus" - Annual Meeting of the American Society for Neurochemistry, Vancouver, British Columbia, March 1976.
5. Presentation at workshop on neurotransmitters in the auditory system, Springfield, Illinois, November 1978.
6. "Microchemical studies on neurotransmitters in the cochlear nucleus" - seminar at Department of Neurophysiology, University of Wisconsin, Madison, Wisconsin, November 1979.
7. "Choline acetyltransferase and acetylcholinesterase activities in the rat cochlear nucleus following transection of centrifugal pathways" - AAO-ARO Research Forum, Anaheim, California, September 1980.
8. "Microneurochemistry and the distribution of putative neurotransmitters in sensory systems" - seminar at Department of Pharmacology, Southern Illinois University School of Medicine, Springfield, Illinois, October 1980.
9. "Microchemical mapping studies of neurotransmitter chemistry in the cochlear nucleus" - 100th Meeting of the Acoustical Society of America, Los Angeles, California, November 1980.
10. "Studies on acetylcholine as a neurotransmitter in the cochlear nucleus using a lesion approach" - seminar at Department of Anatomy, State University of New York Upstate Medical Center, Syracuse, New York, July 9, 1982.
11. "Acetylcholine as a neurotransmitter in the rat cochlear nucleus and its relation to the olivocochlear bundle" - seminar at Eaton-Peabody Laboratory of Auditory Physiology, Massachusetts Eye and Ear infirmary, Boston, Massachusetts, July 12, 1982.
12. "Neurotransmitters associated with hearing" - Oklahoma Society of Physiologists Annual Meeting, Tulsa, Oklahoma, June 1983.
13. "Quantitative histochemical studies of cholinergic auditory pathways" - International Symposium on Auditory Biochemistry, ARO 7th Midwinter Research Meeting, St. Petersburg Beach, Florida, February 5, 1984.
14. "Microchemical study of cholinergic connections in the auditory brainstem" - seminar at Department of Anatomy, New York Medical College, Valhalla, New York, July 17, 1984.
15. "Cholinergic pathways in hearing" - seminar at Diabetes Research Center, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania, July 23, 1984.
16. "Cholinergic pathways at peripheral levels of the auditory system" - seminar at Kresge Hearing Research Institute, University of Michigan Medical School, Ann Arbor, Michigan, November 8, 1984.
17. "Microchemical study of acetylcholine as a neurotransmitter in cochlea and cochlear nucleus" - seminar at Institute for Sensory Research, Syracuse University, Syracuse, New York, December 3, 1984.
18. "Correlation of neurotransmitter chemistry with anatomy and physiology in the auditory system" - seminar at New York University Medical Center, New York, New York, September 27, 1985.
19. "Cholinergic neurons in sensory systems" - seminar at City University of New York Medical School, New York, New York, February 18, 1986.
20. "Quantitative evaluation of cholinergic auditory, olfactory, and visual pathways" - seminar at

25. "Microchemical studies of auditory synaptic transmission" - seminar at Lab of Neuro-Otolaryngology, National Institute of Neurological Disorders and Stroke, NIH, Bethesda, Maryland, July 9, 1987.
26. "Microchemical studies of auditory system neurotransmitters" - seminar at Health Sciences, Medical College of Ohio, Toledo, Ohio, July 16, 1987.
27. "Neurotransmitter microchemistry of the cochlear nucleus and superior olivary complex" - review paper at the Satellite Symposium to the Second World Congress of Neuroscience, on Auditory Pathway - Structure and Function, Prague, Czechoslovakia, August 25, 1987.
28. "Amino acids in auditory pathways: microchemical studies" - seminar at Kresge Hearing Research Institute, University of Michigan Medical School, Ann Arbor, Michigan, October 27, 1988.
29. "Cholinergic projections to cat cochlear nucleus studied with a microchemical mapping and lesion approach" - presentation at the Symposium, Basic Research in a Clinical Environment, Celebrating 30 Years of Research at the Eaton-Peabody Laboratory on the Occasion of Nelson Yuan-sheng Kiang's 60th Birthday, Dedham, Massachusetts, July 6, 1989.
30. "Transmitter and metabolic chemistry of the middle ear muscles" - seminar at Kresge Hearing Research Institute, Hearing and Chemical Senses Seminars, University of Michigan Medical School, Ann Arbor, Michigan, November 16, 1989.
31. "Chemical analysis of the auditory system at microscopic resolution" - seminar at Department of Otolaryngology, Laboratory of Bio-otology, Wayne State University School of Medicine, Detroit, Michigan, January 16, 1990.
32. "Quantitative chemistry of neurotransmitters in the cochlear nucleus and superior olive" - presentation at the symposium, Neurotransmitters and Synaptic Transmission, ARO 13th Midwinter Research Meeting, St. Petersburg Beach, Florida, February 5, 1990.
33. "Recent results on measurements of glutamate and aspartate concentrations and activities of related enzymes in sensory systems" - presentation at the symposium, Excitatory Amino Acids: An Update, Official Satellite of the XIth IUPHAR Congress, Flims, Switzerland, June 28, 1990.
34. "Acetylcholine and hearing" - presentation for The Sigma Xi Club of MCO, Toledo, Ohio, May 8, 1991.
35. "Comparison of quantitative and immunohistochemistry for choline acetyltransferase in the rat cochlear nucleus" - presentation at the NATO Advanced Research Workshop, The Mammalian Cochlear Nuclei: Organization and Function, Salamanca, Spain, September 15, 1991.
36. "Comparison of neurotransmitter chemistry in vestibular and auditory systems" - seminar at Department of Otolaryngology, Laboratory of Bio-otology, Wayne State University School of Medicine, Detroit, Michigan, January 17, 1995.
37. "Chemistry of granular and closely related regions of the cochlear nucleus" - Symposium on Acoustical Signal Processing in the Central Auditory System, Prague, Czech Republic, September 5, 1996.
38. "A scriptural basis for a view of animals" - panel presentation - Second Annual Biology Conference on Bioethical Issues, Mount Vernon Nazarene College, Mount Vernon, Ohio, October 25, 1996.
39. "Mechanisms of spontaneous activity in eighth nerve sensory systems" - seminar at Kresge Hearing Research Institute, Hearing and Chemical Senses Seminars, University of Michigan Medical School, Ann Arbor, Michigan, September 17, 1997.
40. Panel member for "Affirmative Direction: Defending Diversity as an Educational Value", second session of the series, "Conversations About Race: Higher Education and the American Dilemma" - Owens Community College, Perrysburg, Ohio, December 4, 1997.
41. "Mechanisms of spontaneous activity in eighth nerve sensory systems" - seminar at Department of Otorhinolaryngology, Oklahoma University Health Sciences Center, Oklahoma City, Oklahoma,

- University Department of Otolaryngology Joint Research Seminar, St. Louis, Missouri, March 12, 1999.
46. "Cholinergic pathways in the cochlear nucleus" - seminar at Department of Communicative Disorders and Sciences, University of Buffalo, Buffalo, New York, April 23, 1999.
  47. "Cholinergic pathways in the cochlear nucleus" - seminar at Kresge Hearing Research Institute, Hearing and Chemical Senses Seminars, University of Michigan Medical School, Ann Arbor, Michigan, June 2, 1999.
  48. "Acetylcholine and spontaneous activity in the dorsal cochlear nucleus" - The Second Symposium on Molecular Mechanisms in Central Auditory Function and Plasticity, Park City, Utah, USA, June 25, 1999.
  49. Panel member, representing Protestant Christianity, for "Religious Diversity in Medicine" - Medical College of Ohio, Toledo, Ohio, March 23, 2000.
  50. "The dorsal cochlear nucleus, acetylcholine, and tinnitus" - seminar at West Virginia University School of Medicine, Morgantown, West Virginia, April 25, 2001.
  51. "The dorsal cochlear nucleus, acetylcholine, and tinnitus" - seminar at Department of Otolaryngology, Wayne State University School of Medicine, Detroit, Michigan, September 18, 2001.
  52. Panel member, International Student and Scholar Forum relative to the September 11, 2001, terrorist attacks, Medical College of Ohio, Toledo, Ohio, October 3, 2001.
  53. "Plasticity of amino acid neurotransmitters in the cochlear nucleus" - seminar at Kresge Hearing Research Institute, Hearing and Chemical Senses Seminars, University of Michigan Medical School, Ann Arbor, Michigan, March 12, 2003.
  54. "Neurotransmitter changes in central auditory and vestibular systems after peripheral damage" - seminar at Department of Otolaryngology, Wayne State University School of Medicine, Detroit, Michigan, October 21, 2003.
  55. "Effects of cochlear lesions on amino acid chemistry in the cochlear nucleus" - The Third Symposium on Molecular Mechanisms in Central Auditory Function, Plasticity and Disorders, Jackson, Wyoming, June 26, 2004.
  56. "Carboplatin and cochlear ablation effects on amino acids in chinchilla PVCN" - Advances in Tinnitus Assessment, Treatment & Neuroscience Basis, Grand Island, New York, USA, June 23-24, 2007.
  57. "Cochlear ablation effects on glutamate in chinchilla ventral cochlear nucleus" - Eaton-Peabody Laboratory 50<sup>th</sup> Anniversary Celebration Symposium, Cambridge, Massachusetts, USA, June 13, 2008.
  58. "Effects of cochlear ablation on cochlear nucleus amino acid concentrations, especially among the octopus cells of Osen" - From Cochlea to Cortex: Recent Advances in Auditory Neuroscience. A symposium in honor of Prof. Dr. Med. Kirsten Kjelsberg Osen's contributions to the field of auditory neuroscience, Oslo, Norway, July 19, 2008.
  59. "Effects of inner ear damage on central auditory system chemistry" - seminar at Department of Otolaryngology, University of Pittsburgh, Pittsburgh, Pennsylvania, May 26, 2009.
  60. "Microchemical studies of sensory systems, with a primary focus on the cochlear nucleus" - seminar at Kresge Hearing Research Institute, University of Michigan, Ann Arbor, Michigan, March 3, 2010.
  61. "Effects of intense tone exposure on amino acid concentrations in the hamster central auditory system" - oral presentation at the Michigan-Toledo P30 Post-ARO Podium and Poster Meeting, University of Michigan, Ann Arbor, Michigan, March 26, 2012.
  62. "Neurochemistry studied with the microchemical methods of Oliver H. Lowry" - History of

3. Department of Pharmacology, Southern Illinois University School of Medicine, Springfield, Illinois, Nov 17-19, 1979.
4. Department of Pharmacology, Southern Illinois University School of Medicine, Springfield, Illinois, Oct 2-5, 1980.
5. N.I.H. (NIDCD) Workshop on Defining Future Directions for Tinnitus Research, Bethesda, Maryland, Mar 22, 1995.
6. Dr. Jinsheng Zhang, Department of Otolaryngology, Wayne State University, Detroit, Michigan, 2006, 2008, 2011, 2013.

B. Site visit teams

1. For N.I.H. at Kresge Hearing Research Laboratory of the South, Louisiana State University Medical School, New Orleans, Louisiana, February 21-23, 1979.
2. For N.I.H. at Kresge Hearing Research Laboratory of the South, Louisiana State University Medical School, New Orleans, Louisiana, December 12-14, 1979.
3. For N.I.H. at Eaton-Peabody Laboratory of the Massachusetts Eye and Ear Infirmary, Boston, Massachusetts, September 19-21, 1983.
4. For N.I.H. at University of Washington, Seattle, Washington, March 14-16, 1988.
5. For N.I.H. at University of Connecticut Health Center, Farmington, Connecticut, April 24-26, 1991; second meeting at Washington, D.C., June 9, 1992.

C. Manuscripts reviewed:

Anatomy and Embryology: 1 in 1997.  
Annals of Otolaryngology, Rhinology and Laryngology: 2 in 1985.  
Auditory Neuroscience: 1 in 1995, 1 in 1996.  
Brain Research: 1 in 2001, 1 in 2005, 1 in 2006.  
Brain Sciences: 1 in 2018.  
The Cerebellum: 1 in 2008.  
Current Pharmaceutical Design: 1 in 2018.  
Diabetes: 1 in 1978.  
Entropy: 1 in 2014.  
Experimental Brain Research: 1 in 2002.  
Experimental Neurology: 1 in 1997.  
Expert Opinion on Drug Safety: 1 in 2006.  
Frontiers in Neurology: 1 in 2015, 1 in 2021.  
Future Neurology: 1 in 2009.  
Handbook of Acoustics: 1 in 1991.  
Hearing Research: 1 in 1985, 2 in 1987, 1 in 1988, 2 in 1989, 1 in 1990, 1 in 1992, 3 in 1993, 3 in 1994, 3 in 1995, 2 in 1997, 5 in 1999, 1 in 2000, 1 in 2002, 1 in 2004, 2 in 2005, 1 in 2006, 3 in 2012, 1 in 2015.  
International Journal of Environmental Research and Public Health: 1 in 2016.  
Journal of the Acoustical Society of America: 1 in 1994, 1 in 1996.  
Journal of Anatomy: 1 in 1999.  
Journal of the Association for Research in Otolaryngology: 1 in 2000, 1 in 2001, 1 in 2002, 1 in 2003, 1 in 2004.  
Journal of Chemical Neuroanatomy: 1 in 2001, 1 in 2020.  
Journal of Comparative Neurology: 1 in 1995, 1 in 1997, 1 in 1998, 2 in 1999, 1 in 2001.  
Journal of Histochemistry and Cytochemistry: 1 in 1977, 1 in 1983, 1 in 1986, 1 in 1987.  
Journal of Neurochemistry: 1 in 1987, 1 in 1991, 1 in 1995, 1 in 1998.  
Journal of Neuroinflammation: 1 in 2010.

Neural Regeneration Research: 2 in 2014, 1 in 2016, 1 in 2017, 2 in 2019.  
Neuroscience: 1 in 1994, 1 in 1995, 1 in 1996, 1 in 1997, 1 in 2004, 1 in 2006, 1 in 2012, 1 in 2016, 1 in 2018.  
Neuroscience Letters: 1 in 1995, 2 in 2005, 1 in 2006.  
OMICS Publishing Group Medical Sciences: 1 in 2015.  
Otolaryngology - Head and Neck Surgery: 1 in 2007.  
Pharmacological Research: 1 in 2007.

D. Books reviewed:

Doody Publishing, Inc.: 1 in 1997.

E. Website contents reviewed:

Review of 18 vignettes on medicine/science for Heartland Science website of Ohio Academy of Science in Jan 2005.

F. Publications reviewed:

Review of 8 published articles for the Czech Academy of Sciences in May 2015.

G. Grants reviewed:

National Science Foundation: 2 in 1978, 2 in 1979, 2 in 1980, 1 in 1981, 1 in 1983, 2 in 1984, 1 in 1985, 1 in 1986, 3 in 1987, 1 in 1988, 1 in 1989, 2 in 1990, 2 in 1991, 2 in 1992, 2 in 1994, 2 in 1996, 1 in 1998, 1 in 1999, 1 in 2004.

National Institutes of Health (NINCDS): Initial Review Group in Oct 1984; 1 in 1985.

National Institutes of Health (NIDCD): Review group for a program project grant on June 12, 1997; Special Emphasis Study Section on Nov 14, 1997; Special Emphasis Panel to review Minority Dissertation Research Grants in Human Communication on Aug 23, 2000; Center for Scientific Review Special Emphasis Panel ZRG1 IFCN-6 on March 5-6, 2001; NIDCD R03 Review via Conference Call on Nov 7, 2001 and Nov 13, 2002; NIDCD R03 Review Study Section on Dec 3, 2003; NIDCD R03 Review via Conference Call on Jul 14, 2004.

American Tinnitus Association: 1 in 1997, 1 in 1998, 3 in 2006, 6 in 2007, 2 in 2008, 3 in 2009, 1 in 2011.

Alzheimer's Association: 5 in March 2001, 3 in March 2002, 2 in March-May 2003, 4 in March-June 2004, 1 in Feb 2005, 3 in March-April 2006.

Action on Hearing Loss (The Royal National Institute for Deaf People): 1 in 2012, 1 in 2014.

Other: 1 in 1993 for Ohio University Baker Fund; 2 in 1995 for University of Toledo Internal Research Grants Program; 1 in 2000 for West Virginia University Faculty Senate Grant for Research and Scholarship; 1 in 2013 for University of Toledo Translational Research Stimulation Awards Program.

H. Judging

1. Medical College of Ohio Graduate Student Research Forum - 1995, 1998, 2000, 2002-2005.
2. University of Toledo Health Science Campus, Martin Luther King Essay Contest - Feb 2006-2008.
3. University of Toledo Health Science Campus, Toledo Starz Symposium - April 17, 2007; April 15, 2008; April 21, 2009; May 5, 2011; May 9, 2012; May 14, 2014; May 21, 2015; May 19, 2016, April 19, 2018.

I. Symposium meetings chaired

1. Session of International Symposium on Auditory Biochemistry at ARO Meeting in St. Petersburg Beach, FL - Feb 5-7, 1984 (co-chairman).
2. Small group discussion facilitator at Biology Conference on Bioethical Issues at Mount Vernon Nazarene College, Mount Vernon, OH - Oct 2, 1995.

2. Vice-president of Tulsa Sigma Xi Club - 1985-1986.
3. President of Tulsa Sigma Xi Club - 1986-1987.
4. Chairman of Chapter Application Committee, Tulsa Sigma Xi Club - 1987-1988.
5. Chairman of committee for interaction with the Tulsa Public Schools, Tulsa Sigma Xi Club - 1987-1988.
6. Nominating committee, Medical College of Ohio Sigma Xi Club - 1992-1994, 1996-1998.
7. Treasurer, Medical College of Ohio Sigma Xi Club - 1994-2003.
8. Faculty advisor for Medical College of Ohio, then University of Toledo Health Sciences Campus, Christian Medical Fellowship - ca 1992-2012.

#### L. Panels

1. Religion in Medicine panel at Medical College of Ohio - ca 1999
2. Religion in Medicine panel at Medical College of Ohio - ca 2000
3. Cross-cultural panel discussion at Owens Community College - ca 2000
4. Medical College of Ohio Graduate School panel to discuss terrorist attack - Oct 3, 2001
5. Meet the Professors panel at University of Toledo College of Medicine - Aug 14, 2007
6. Toledo MedStarz health professionals panel discussion - Sep 18, 2007
7. Speed mentoring session for junior faculty members for UT IDEAL – Apr 4, 2012

#### TEACHING - COURSES:

##### Oral Roberts University:

1. Medical Physiology - 1978-1988 - including lectures on endocrine system (introduction to endocrine system, pituitary, islets of Langerhans, male reproductive system) and membrane biophysics, and a conference on endocrine disorders; course director 1984-1985.
2. Dental Physiology - 1978-1985 - including lectures on endocrine system and basic neurophysiology.
3. Medical Neuroscience - 1978-1988 - including lectures on basic neuroscience (resting and action potentials, action potential propagation, receptors, integration), motor systems (neuromuscular control, spinal mechanisms, brain stem centers, motor cortex, basal ganglia), vestibular system, auditory system, gustatory system, and laboratories on in vitro nerve recording, sensory physiology, and anatomy of the brain and spinal cord.
4. Dental Neuroscience - 1978-1981 - including lectures on basic neuroscience and neurohistology.
5. Undergraduate Human Anatomy and Physiology Lab - 1978-1982.
6. Undergraduate Human Anatomy and Physiology - 1979-1984 - lecture on auditory and vestibular systems.
7. Laboratory Techniques in Physiology -graduate course- course director -1978-1986.
8. Special Senses - graduate course - 1985 and 1987 - co-director, sections on auditory, olfactory and gustatory systems.
9. Neuropharmacology - graduate course - 1986 - Conference on neurotransmitters.

##### Medical College of Ohio, Medical University of Ohio, University of Toledo College of Medicine:

1. Medical Neuroscience - 1988-2010 - lectures on neuroanatomy of the forebrain, auditory system, vestibular system, gustatory system, olfactory system, and overviews of sensory and motor systems, laboratories on anatomy of the brain and spinal cord, conferences on clinical effects of brain lesions, and review session for students having difficulty in the course; 2011-present – overviews of sensory and motor systems, laboratories on anatomy of the brain and spinal cord.
2. Introduction to Otolaryngology - 1988-1992, 1994-1996, 2001-2003 - 1st and 2<sup>nd</sup> year

- concerning the auditory system (course director).
7. Analysis of Ion Channels I and II - 1990-1991 - conferences on an introduction to and literature concerning ion channels (course co-director with H.J. Waller).
  8. Seminar in Neuroscience - 1991, 1993, 1997 - practice seminars by graduate students (course director).
  9. Current Issues and Techniques in Neuroscience: Systems Neurobiology - 1992 - conference on auditory system, 1993 - conference on techniques of measuring neurotransmitter release.
  10. Readings in Neuroscience - 1992-1996, 1999 - conferences on literature concerning auditory and vestibular systems.
  11. Research in Neuroscience - 1992-1993, 1999-2001 - supervision of learning of techniques for studying the nervous system.
  12. Auditory Neuroscience - 1991, 1993-1997, 1999 - conferences on anatomy, physiology, chemistry, and psychology of the auditory system (course director).
  13. Cellular Neuroscience - 1994-1997 - presentation on synaptic transmitter release, vesicle recycling, and receptors.
  14. Nursing-257 Physiology - 1995 - lectures on basic neurophysiology (resting and action potentials, action potential propagation, synaptic transmission).
  15. Sensory Neuroscience - 1995, 1999 - sessions on vestibular, olfactory and gustatory systems and course director.
  16. Vestibular Neuroscience - 1996 - conferences on anatomy, physiology, and chemistry of the vestibular system (course director).
  17. Principles of Cellular and Molecular Neurobiology - 1997, 1998, 2000, 2001, 2002, 2003, 2004, 2006 - sessions on resting potential and passive membrane properties, nerve-nerve transmission, and general features of sensory transduction mechanisms.
  18. Lab Rotations - 1997, 1998, 2000, 2001, 2002, 2003 - rotation on auditory and vestibular neuroscience.
  19. Introduction to Neuroscience Research - 1998, 2000, 2002 - conference on cochlear nucleus chemistry research (course director in 2000-2002).
  20. Anatomy for Physicians' Assistants, Neuroscience portion - 2002 - session on auditory and vestibular systems.
  21. Grant Writing Workshop - 2003, 2004 - workshops on preliminary studies.
  22. Integrative Pathophysiology I - 2006 - segment 3, first half plus substitute for last session, 2008 - segment 2, first 3 sessions.
  23. Clinical Diagnosis in Medicine I - 2010 - segment 2.
  24. Clinical Reasoning - 2011 - first year 2 sessions, second year 4 sessions
  25. Clinical Reasoning - 2012 - first year 3 sessions.
  26. Clinical Reasoning, first year - 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017

#### Guest Lectureships

1. At Oral Roberts University School of Medicine, Tulsa, OK - January 17-20 and March 7-10, 1989 - 16 lectures in Medical Neuroscience (membrane potentials - resting and active I-II, propagation of the action potential, receptor mechanisms, neural integration, the motor unit, feedback control of skeletal muscle, postural mechanisms, physiology of cerebral motor systems I-III, vestibular system I-II, auditory system I-III) and 5 lectures in Medical Physiology (endocrinology basic principles, pituitary gland, islets of Langerhans I-II, male reproductive system).
2. National Medical School Review in Miami, FL, May 27-29 and September 8-10, 1992; in

Graduate:

1. James Anderson - 1979-1980 - master's student - member of advisory committee.
2. Jon Gustafson - 1981-1982 - master's student - member of advisory committee.
3. William Hamstra - 1981-1983 - master's student - member of advisory committee.
4. Daniel Dunning - 1981-1983 - master's student - chairman of advisory committee - "Microchemical determination of choline acetyltransferase activity in retrogradely-labeled  $\alpha$ -motoneurons of sedentary and exercised rats".
5. Steve Dodds - 1982-1983 - master's student - member of advisory committee.
6. Greg Wiet - 1983-1985 - master's student - chairman of advisory committee - "Intra-cochlear distributions of enzyme activities related to aspartate and glutamate metabolism, and evaluation of their roles in cochlear neurotransmission".
7. Mame Stadheim Starke - 1983-1985 - master's student - member of advisory committee.
8. Kevin Barnes - 1984-1985 - medical student - supervised summer 10-week project on distribution of glutaminase activity in the cochlear nucleus.
9. Ibok Ibok - 1985-1986 - Ph.D. student - member of advisory committee.
10. Michael Biavati - 1986-1987 - medical student - senior research rotation on auditory neurochemistry.
11. Leonard White - 1986-1987 - master's student - member of advisory committee.
12. Edward Oorjitham - 1986-1987 - master's student - member of advisory committee.
13. Xiaoguang Huang - 1989-1992 - Ph.D. student - member of advisory committee.
14. Kejian Chen - 1990-1994 - Ph.D. student - primary advisor.
15. Weiping Yao - 1990-1995 - Ph.D. student - primary advisor.
16. Xujian Weng - 1990-1993 - Ph.D. student - member of advisory committee.
17. Mariann McElwain - 1991 - medical student - senior rotation on auditory neurochemistry.
18. Hongyan Li - 1991-1994 - Ph.D. student - primary advisor.
19. Markus Schmidt - 1991-1995 - M.D./Ph.D. student - member of advisory committee; 1994-1995 - administrative advisor.
20. Sherry-Ann Jenkins - 1992-1994 - M.D./Ph.D. student - primary advisor.
21. Yizhe Sun - 1993-1999 - Ph.D. student - primary advisor.
22. Mahmoud Mohammed - 1993-1996 - Ph.D., then M.S. student - member of advisory committee.
23. Jun Liu - 1993-1994 - M.S. student - primary advisor.
24. Tod King - 1993-1994 - Ph.D. student - member of advisory committee.
25. Yong Suk Choi - 1993-1996 - Ph.D. student - member of advisory committee; 1994-1996 - administrative advisor.
26. Sharon Shannon-Hartman - 1993-1995 - medical student - volunteer and senior rotations in auditory neurochemistry.
27. Shanyi Chen - 1994-1997 - M.S. student - member of advisory committee.
28. Louis Chris Benjamin III - 1994-1998 - medical student - volunteer and independent study in auditory neuroanatomy.
29. Vincent M. Dailey - 1994-1998 - M.S. student - member of advisory committee, then primary advisor.
30. Theodore H. Bowlus - 1995-1998 - M.S. student - member of advisory committee.
31. Richard Averitte - 1995-1997 - medical student - studies on auditory electrophysiology.
32. Li Zheng - 1995-1999 - Ph.D. student - primary advisor.
33. Jiansong Xu - 1995-1999 - Ph.D. student - member of advisory committee.
34. Laura Jackson - 1995-1996 - Ph.D. student at University of Toledo - member of advisory

41. Angela Jones - 1997-1999 - medical student - studies in auditory electrophysiology and chemistry.
42. Berhan Sebhat - 1998 - medical student - senior rotation on auditory neuroanatomy.
43. Yingzhe Li - 1999-2000 - M.S. student - primary advisor.
44. Henry Chang - 1999-2001 - M.S. student - member of advisory committee.
45. Yong-Ming Jin - 1999-2004 - Ph.D. student - primary advisor.
46. Ammar Houssein - 1999-2000 - M.S. student - member of advisory committee.
47. Carolyn Boylan - 2000 - M.D./Ph.D. student - member of advisory committee for final defense.
48. Zhixiong Xia - 1999-2000 - Ph.D., then M.S. student - member of advisory committee.
49. Cara Young-Davies - 2000-2003 - Ph.D. student - member of advisory committee.
50. John Bartsch - 2000 - M.S. student - member of advisory committee.
51. Kay Kesterson - 2000-2005 - Ph.D., then M.S. student - member of advisory committee.
52. Ian Harrington - 2000-2002 - Ph.D. student at University of Toledo - member of advisory committee.
53. Julie Niswander - 2001-2003 - Ph.D. student - member of advisory committee.
54. Xin Wang - 2003-2005 - Ph.D. student - member of advisory committee.
55. Mingjie Tong - 2005 - Ph.D. student at University of Toledo Bioengineering- member of advisory committee.
56. Cynthia Kenmuir - 2007-2009 - Ph.D. student - member of advisory committee.
57. Kyle Robinson - 2007-2008 - medical student - documentation of cochlear ablation damage in chinchillas.
58. Steven Hong - 2007-2008 - medical student - effects of midline lesions on amino acid concentrations in the vestibular nuclei.
59. Omer Ilyas - 2008 - masters student - amino acid concentrations in control and med<sup>J</sup> mutant mice, and 2009 - medical student - sectioning of hamster brains for microchemistry.
60. Thomas O'Toole - 2008 - medical student - volumes of superior olivary nuclei in aging rats.
61. Desmond Shipp - 2008 - medical student - volumes and dry weights per volume of auditory regions in chinchillas with cochlear damage.
62. Christopher Frisch - 2009-2011 - medical student - glutaminase activity in brain tissue samples, calculation of HPLC data for depolarization-induced release of amino acids from the vestibular nuclei in brain slices, effects of aging on structural characteristics of central auditory regions.
63. Courtney Kauh - 2009 - medical student - calculation of HPLC amino acid data.
64. Simon Crass - 2009-2010 - medical student - neuron counts in chinchilla cochlear nucleus.
65. Justin Sachs - 2009-2010 - medical student - effects of intense tone exposure on structural characteristics of central auditory regions.
66. Darwin McKnight - 2012 - medical student - effects of intense tone exposure on volumes of cochlear nucleus regions.
67. Shilpa Vishwanath - 2012 - medical student - volumes of cochlear nucleus regions in rodents.
68. Hermann Simo - 2014-2015 - medical student - statistical analyses for effects of cochlear ablation on amino acid concentrations in chinchilla cochlear nucleus and volumes of cochlear nucleus regions in rodents.
69. Augustine C. Lee - 2014-2015 - medical graduate (postdoctoral) - relation of neurotransmitter chemistry to tinnitus and cochlear nucleus volumes in rodents.

3. Sammy Choi, Oral Roberts University - 1981-1982 - senior project on relation between behavior of rats and brain cholinergic system.
4. Kevin Ledbetter, Oral Roberts University - 1981-1982 - senior project on cholinergic system in rat superior colliculus.
5. Brian Johnson, Oral Roberts University - 1982-1983 - senior project - "A method to determine the activity of aspartate aminotransferase in fiber tracts of the rat brain".
6. Penny Eddy, Oral Roberts University - 1986-1987 - senior project - "Choline acetyltransferase activity of Mauthner's cell".
7. Satya Packianathan, Oral Roberts University - 1987-1988 - senior project - sizes of superior olivary nuclei in albino and pigmented rats.
8. Michelle Boose, Kent State University - 1996 - NIH Minority College Student Research Apprentice Program - histology of the cochlear nucleus in hamster and mountain beaver.
9. Xiaochen (Denise) Liu, University of Toledo - 2008-2009 - measurements of amino acid concentrations in subregions of the cochlear nucleus.
10. Yacine Medhkour, University of Toledo - 2009, 2010 - measurements of sample volumes of chinchilla anteroventral cochlear nucleus, measurements of neuron soma sizes in chinchilla anteroventral cochlear nucleus and effects of cochlear ablation.
11. Abdurrahman I.A.A. Mustapha, University of Toledo - 2015-2016 - cochlear nucleus volumes in rodents and amino acid levels in young and old rats.

High school:

1. Ahan Newman, St. John's High School, Toledo, Ohio - 1989, 1990 - NIH Minority High School Student Research Apprentice Program - sizes of cochlear nucleus subregions in control, cochlea-lesioned, and sound-stimulated guinea pigs; amino acid concentrations in the anteroventral cochlear nucleus of the same guinea pigs.
2. Jennifer Felix, Notre Dame Academy, Toledo, Ohio - 1990 - NIH Minority High School Student Research Apprentice Program - sizes of cochlear nucleus neuron somata in control, cochlea-lesioned, and sound-stimulated guinea pigs.
3. Melanie Gross, Maumee Valley Country Day School, Toledo, Ohio - 1991 - NIH Minority High School Student Research Apprentice Program - immunohistochemistry for choline acetyltransferase in the cochlear nucleus.
4. Azure Cardwell, Scott High School, Toledo, Ohio - 1993 - NIH Minority High School Student Research Apprentice Program - three-dimensional model of vestibular complex of rat.
5. Serenity Williams, Scott High School, Toledo, Ohio - 1994 - NIH Minority High School Student Research Apprentice Program - assay of amino acids in auditory brain tissue.
6. Latricia Green, Scott High School, Toledo, Ohio - 1995 - NIH Minority High School Student Research Apprentice Program - assay of amino acids in brain tissue.
7. Melissa Ealy, Scott High School, Toledo, Ohio - 2004 - MCO Minority High School Student Research Apprentice Program - brain imaging.
8. Christopher G. Hair, Rogers High School, Toledo, Ohio - 2005 - MUO Minority High School Student Research Apprentice Program - effects of inner ear lesions on sizes of cochlear nucleus regions.
9. Teresa F. Sanchez, Start High School, Toledo, Ohio - 2006 - MUO Research Experience and Awareness of Clinical Health (REACH) Program - effects of aging on sizes of superior olivary nuclei.
10. Hee Joo (Stacy) Suh, Findlay City High School, Findlay, Ohio - 2010 - Findlay City Schools

3. Medical faculty handbook - 1978-1979
4. Cross-pollination - 1978-1979
5. Medical admissions - 1979-1983, 1986-1987
6. Faculty governance - alternate - 1979-1981
7. Dental school evaluation committee - 1980-1983
8. Institutional self-study committee on Graduate Medical Education and Biomedical Research Center - chairman - 1980-1981
9. Review Committee on Summer Stipends for Medical Student Research -chairman -1980-1984
10. Organizer for Physiology Department seminars - 1981-1982
11. Faculty Steering - alternate - 1981-1985, full member - 1985-1986
12. Institutional self-study subcommittee on Medical School Objectives - 1984-1985
13. Physiology Department graduate program committee - 1984-1988
14. Medical Curriculum Committee - 1984-1986
15. Student Evaluation and Promotions Committee (basic science) - 1984-1986
16. Student Evaluation and Promotions Committee (clinical) - 1985-1986
17. Medical library self-study task force - 1985-1986
18. Research Committee - 1987-1988
19. Anatomy chairman search committee - 1987-1988

Medical College of Ohio, Medical University of Ohio, University of Toledo:

1. Institutional Animal Care and Use Committee - 1988-1995 (vice-chairman 1994-1995), 1998-2001.
2. Representative to Academic Senate for Department of Otolaryngology - 1988-2004.
3. Graduate Dean's Award Selection Committee - 1988-1989, 2001-2002.
4. Faculty advisor for Christian Medical Fellowship student group – 1988-2012.
5. Planning Committee for the 25th Anniversary CME Conference for Resident Alumni and Their Departments - 1990.
6. Interviewer of medical student applicants - 1988-present.
7. Otolaryngology seminars coordinator - 1989-2004.
8. Neuroscience Graduate Program Steering Committee - 1991-2010 (Director 1991-2002; admissions coordinator 2004; temporary advisor for new students 2004-2006).
9. Graduate Executive Committee - 1991-2002.
10. Center for Environmental Medicine Committee - 1991-1993.
11. Graduate School Faculty Membership Committee - 1992-1994.
12. School of Allied Health Faculty Search Committee - 1992-1997.
13. Research Support Committee - 1995-1998.
14. Multicultural Affairs Advisory Committee - 1996-2009.  
     Chair of Evaluation and Research Subcommittee - 1997-2003.  
     CultureScape Subcommittee - 2000-2006 (co-chair 2005-2006).  
     Martin Luther King, Jr., Essay Contest Subcommittee - 2006-2008.
15. Search Committee for Director of Department of Laboratory Animal Medicine - 1997.
16. Conflict of Interest Committee - 1997-2003.
17. Ph.D. Program Committee - 1997-2002.
18. Graduate Programs Administrative Center Group - 1997-2002.
19. Northwest Ohio Life Sciences - 1997-2002.
20. Research Publicity Committee - 1997.
21. Selection Committee for Graduate Dean's Award for Mentoring -1998-2002, 2004, 2011,

28. MUO Foundation Board Subcommittee for African American Recruitment, then University of Toledo President's Commission for African American Recruitment, Retention, and Scholarship Support (PCARS) - 2004-present; chair of Retention Subcommittee - 2010-present.
29. MCO Dr. Martin Luther King, Jr., Planning Committee - 2004-2006.
30. Medical College Admissions Committee - 2005-2012.
31. Department of Physician Assistant Studies Advisory Committee - 2006-2017.
32. University of Toledo Presidential Commission on Diversity - 2006-2008.
33. Appointments, Promotions, and Tenure Committee - 2006-2010.
34. Strength in Diversity Implementation Team, and Assessment Subgroup - 2007.
35. REACH Selection Review Committee - 2007-2009.
36. University of Toledo College of Medicine Diversity and Professionalism Advisory Council - 2008-present.
37. University of Toledo College of Medicine Neuroscience Course Steering Committee - 2006-2010.

#### COMMUNITY ACTIVITIES:

1. Volunteer at Emmanuel Gospel Center, Boston, Massachusetts, 1967-1971
2. Board member for Joint Community Program, St. Louis, Missouri, 1972-ca1975
3. Assistant Scoutmaster for Boy Scout Troop 2, St. Louis, Missouri, ca1974-1978
4. Member of Board of Advisors of African Christian Mission, Ghana, West Africa - 1983-present
5. Member of Board of Reference of Manna Medical Mission, Inc., Ghana, West Africa - 1987-present
6. Old West End Association, Toledo, OH
  - a. Trustee - 1996-1998
  - b. Member of Education Committee - 1994-1998
  - c. Contributor of articles and distributor for Old West End Neighborhood News - 1996-present
7. Neighborhood Blockwatch - Block Captain - 1991-2000
8. Scott High School Parent-Teacher Organization - 1991-2004
  - a. Treasurer - 1993-2004
  - b. Member of Diane Gordon Scholarship Fund Committee - 1993-1998, 2004
  - c. Member of Education Solutions Committee - 1998-2002
9. Medical College of Ohio Christian Faculty Fellowship - Treasurer - 1993-2004
10. Neuroscience Christian Fellowship - Treasurer - 1995-2003
11. Assistance with diabetes education at neighborhood health fairs, especially in the African American community, and support groups - 2007-present
12. Toledo Retiree Golf League – President – Sept 2013-present
13. Naturalists Camera Club of Toledo – Treasurer – 2015-present

#### PUBLISHED POEMS:

1. Tim stood up - Bachuet 2 (Dec 1970) 7.
2. Flowers - Poetry of Our Times, Fischer, B., ed. Babylon, NY: J. Mark Press (1971) 18.
3. A ride into dreamland - Yearbook of Modern Poetry, Hollyfield, J., ed., Appalachia, VA: Young Publications (1971) 226.
4. No bells ring - Yearbook of Modern Poetry, Hollyfield, J., ed., Appalachia, VA: Young Publications (1971) 227.
5. Timothy on the table - Pasque Petals 46 (Jun 1971) 21.
6. A child's day of play - Pasque Petals 46 (Jul 1971) 37.
7. Can Timothy come out to play? - Pasque Petals 46 (Oct 1971) 77.
8. The confession of a wayward child - Jean's Journal 9 (Dec-Jan 1971-72) 47.
9. Lynn - Pasque Petals 47 (Jun 1972) 9.
10. An old man - Jean's Journal 10 (Aug-Sep 1972) 12.
11. The day "Bobby" died - Pasque Petals 47 (Sep 1972) 38.
12. Football - Pasque Petals 47 (Oct 1972) 54.
13. The day before Easter - Pasque Petals 47 (Mar 1973) 123.
14. Child of the city - Pasque Petals 48 (Jun 1973) 10.
15. Hiding at bedtime - Pasque Petals 48 (Sep 1973) 38.
16. Going into solution - Pasque Petals 49 (Apr 1975) 130.
17. Christmas orange car - Pasque Petals 50 (Dec 1975) 77.
18. Dinner with Dad - Pasque Petals 51 (Jun 1976) 10.
19. They call - Pasque Petals 51 (Jul 1976) 25.

4. Early Morning Sun – University of Toledo Health Science Campus Artist Showcase, Jan-Mar 2014
5. Shadow on Artwork – University of Toledo Health Science Campus Artist Showcase, Jan-Mar 2015
6. Fungus Among Us – University of Toledo Health Science Campus Artist Showcase, Jan-Mar 2015
7. Ready for Take-off – University of Toledo Health Science Campus Artist Showcase, Jan-Mar 2015
8. Late Autumn Colors – University of Toledo Health Science Campus Artist Showcase, Jan-Mar 2016
9. Friendly Squirrel – University of Toledo Health Science Campus Artist Showcase, Jan-Mar 2016
10. View Toward the Canyon at Yellowstone National Park – Toledo Photo Arts Club Photography Exhibit, Center for Nature Photography at Secor Metropark, April 2016
11. The Toledo Museum of Art - University of Toledo Health Science Campus Artist Showcase, Feb-Apr 2017
12. Trail at Evergreen Lake - Toledo Photo Arts Club Photography Exhibit, Center for Nature Photography at Secor Metropark, April 2017
13. White Campion - Toledo Photo Arts Club Photography Exhibit, Center for Nature Photography at Secor Metropark, April 2017
14. A Naturalist's View of the Toledo Museum of Art - University of Toledo Health Science Campus Artist Showcase, Feb-Apr 2018
15. Birdsfoot Violet Along the Oak Openings Hiking Trail – Oak Openings Region Blue Week Photo Contest, May 2018 (Honorable mention)
16. Oak Openings Moss in early April– Oak Openings Region Blue Week Photo Contest, May 2018
17. Oak Openings Witch hazel in mid October– Oak Openings Region Blue Week Photo Contest, May 2018
18. Entering Lou Campbell Prairie from the Oak Openings Hiking Trail– Oak Openings Region Blue Week Photo Contest, May 2018
19. Young Squirrels in a Hemlock Tree - University of Toledo Health Science Campus Artist Showcase, Feb-Apr 2019
20. Skunk Cabbage in Creek - Oak Openings Region Blue Week Photo Contest, May 2019 (First prize in native plants category)
21. Eastern Tiger Swallowtail Butterfly on Ironplant - University of Toledo Health Science Campus Artist Showcase, Feb-Apr 2020

#### PHOTO PRESENTATIONS:

1. The John D. Rockefeller estate and Rockefeller State Park – Naturalists' Camera Club of Toledo, June 11, 2017.
2. Denali National Park, Alaska – Naturalists' Camera Club of Toledo, January 14, 2018.
3. Norway – Naturalists' Camera Club of Toledo, June 10, 2018.
4. Virtual hike of the Oak Openings Scout Trail – Naturalists' Camera Club of Toledo, June 9, 2019.

## **Rasmusson, Paul**

---

**From:** maryevisco@ameritech.net  
**Sent:** Thursday, March 17, 2022 2:27 PM  
**To:** Miringu, Beatrice; Rasmusson, Paul  
**Cc:** Ledyard, Daniel; Prude, Jody; Kennedy, Dennis; Robson, Megan; Semaan, Abed; Granata, Karen; chris9141@SBCglobal.net; stone.91@osu.edu; robertewitt@gmail.com; gsmith@nwwsd.org; sceddy2@gmail.com; tommcdona3@gmail.com; mwesley@lamar.com; donald.godfrey@utoledo.edu; charliecite@gmail.com  
**Subject:** RE: Toledo Urban Forestry Commission Update

Dir. Rasmusson and Ms. Jody Prude

Please accept this communication as an expression of my desire to serve as a member of the Toledo Urban Forestry Commission. I have resided in the general Toledo area and within the City for my entire life. I believe that a healthy forest canopy makes a city vibrant and livable for both residents and businesses. My legislative experience combined with dual degrees of business finance and horticulture allow me to take a balanced approach in matters that come before the committee.

Work Experience– Adjunct Instructor Owens Community College - Landscape and Turfgrass Management Program - Current

Degree Owens Community College - Associates Degree in Applied Science – Landscape and Turfgrass Management Program

Degree University of Toledo – Bachelor of Business Administration – Finance

Legislative – Two terms as an elected Councilperson Village of Holland, Ohio

Thank you for your consideration.

Mary E. Visco

# Sallie Eddy, RN, BSN

sceddy2@gmail.com

3015 Hopewell Place • Toledo, Ohio 43606 • (419) 508-0344

## Professional Experience:

**Hospice of Northwest Ohio, Perrysburg, Ohio 2006 - 2019**

### **Infection Prevention Nurse 2013 -2019**

- Responsible for the infection control program for Hospice of Northwest Ohio, both homecare and inpatient. This includes two inpatient facilities, 350 employees and 400 patients
- Data collection on infections to insure infections are not spread between patients and staff
- Orientation and training as required by regulatory bodies as well as agency needs
- Document data and training per OSHA guidelines
- On-the-spot teaching to patients and staff as needed for infection control issues.
- Responsible for the annual flu program
- Provide Hep B and TB tests to new staff and coordinate employee health needs
- Conduct annual risk assessment and creation or revision of all infection control policies

### **Staff Nurse 2006 - 2013**

- Provided direct care to terminally ill patients in the Toledo inpatient facility
- Frequently was placed in the charge nurse position

**Visiting Nurse Association of Cleveland, Cleveland, Ohio 1980 - 2006**

### **Clinical Development Instructor 1987 - 2006**

- Development and implementation of orientation for all employees
- Provided in-services and continuing education programs in nursing and health related fields
- Develop agency competencies to meet federal and Joint Commission

# Sallie Eddy, RN, BSN

---

sceddy2@gmail.com

3015 Hopewell Place • Toledo, Ohio 43606 • (419) 508-0344

## **Staff Nurse 1980 - 1987**

- Provided direct care to ill patients in central city Cleveland

## **Visiting Nurse Service, Toledo, Ohio 1978 - 1980**

### **Staff Nurse**

- Direct care and care management to clients of all ages in their home
- Provided public health care including disease surveillance, immunization clinic and education
- Health assessments and teaching in a health promotion clinic for seniors in low income housing unit

## **Education:**

### **University of Toledo, Toledo, Ohio**

Bachelor of Science of Nursing 1978 Magna Cum Laude

Licensure: State of Ohio

## **Volunteer Work:**

**Claver House Soup Kitchen** July 2012 - present

**TUFC** October 2018 - present

**Outreach Medical Clinic** for the homeless - St Augustine Church, Cleveland 1990s, nursing assessments and teaching

**UTMC HIV Testing Sight** 2006 - until closing, HIV tester

## **Publications:**

Tom McDonald  
3650 Grantley Rd.  
Toledo, Ohio 43613  
419-474-8801  
tommc dona3@gmail.com

**Letter of Interest re:**

**TOLEDO URBAN FORESTRY COMMISSION**

I hereby submit the following personal information relevant to a potential appointment to the Toledo Urban Forestry Commission.

I hold a bachelors degree in English from the University of Notre Dame (1971); a masters degree in Community Information Services from the University of Toledo (1975); and a masters degree in Library and Information Science from Wayne State University (1989).

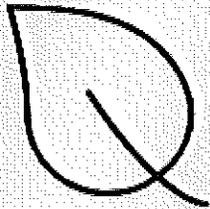
The bulk of my professional work involved 32 years in public library outreach services to under served populations through the Monroe County (Michigan) Library System and the Toledo Lucas County Library. Throughout those years, I served as well on a variety of non-library committees and commissions addressing a range of peace, justice and environmental issues.

In 2015, I completed a twelve week course of study entitled "Tree Stewardship in the Urban Forest", organized by the staff of Woodlawn Cemetery. Topics presented by professionals in the field of urban forestry included but were not limited to:

- Benefits of the Urban Forest
- Tree Biology
- Selecting the Right Tree for the Right Place
- Diagnosing Tree Problems and
- Proper Tree Planting

Also in 2015, my faith community – Holy Spirit Catholic Community – established Tree Toledo, a 501c3 organization. Its mission has been to facilitate the planting of a tree for every citizen in Toledo in an effort to mitigate climate change. As its coordinator, I have promoted working partnerships with a variety of organizations and businesses, including the Metroparks of the Toledo Area, DANA Corporation, First Energy Corporation, Lourdes University, Toledo Grows and others.

I look forward to serving on the Toledo Urban Forestry Commission in a concerted effort to enhance



## AMY K. STONE

### PROFILE

---

Ohio State University

Lucas County

Extension Educator

Agriculture and Natural Resources

### CONTACT

---

PHONE: 419.392.1308 (cell)  
419.574.0986 (work)

EMAIL: [stone.91@osu.edu](mailto:stone.91@osu.edu)  
OFFICE ADDRESS: 5403 Elmer Drive,  
Toledo, Ohio 43615

HOME ADDRESS: 6834 Goetz Road,  
Riga, Michigan 49276

## EXPERTISE

Plant Identification

Plant Maintenance Practices – planting, pruning and mulch

Pesticide Recertification Programming

Invasive Species Identification, Outreach and Management

Plant and Pest Diagnostics

## WORK EXPERIENCE

**OHIO STATE UNIVERSITY EXTENSION, LUCAS COUNTY**  
**5403 ELMER DRIVE, TOLEDO, OHIO 43615**  
July 1992 - present

*Currently serve as the Agriculture and Natural Resources Educator in Lucas County. My specialization areas include: urban and community forests, landscape horticulture, and invasive species.*

*I coordinate the counties Master Gardener Volunteer Program, the Ohio Certified Volunteer Naturalist Program, and the Master Urban Farmer Program.*

*I write a seasonal gardening column for The Toledo Blade, and am a contributing authors to Ohio State University's (OSU) Buckeye Yard and Garden Line (BYGL.OSU.EDU).*

*I am a co-leader of the OSU's Buckeye Environmental Horticulture Team and leader of the Spotted Lanternfly Task Force.*

## EDUCATION

OWENS COMMUNITY COLLEGE

Memorandum

Date: March 16, 2022

To: Paul Rasmusson, Director: Toledo Department of Parks and Recreation  
From: Charlie Johnson, Tree Toledo  
Re: Request to be considered for membership on the City of Toledo Urban Forestry Commission.

Mr. Rasmusson,

I am writing to request that I be considered for appointment to the Toledo Urban Forestry Commission. I believe that I have something to offer to the mission of the Commission. The following is a description of my relevant experience that I could bring to the process of increasing tree planting in Toledo.

Education: Completed a 3 day tree survival course with the State of Ohio Forestry Division.  
Registered to participate in a tree pruning workshop in October, 2021.

Experience: Raised in a family of Landscapers and started planting trees and shrubs at age 14.

Started a lawn and landscape business in Florida while in school. Operated the business for 3 years.

Worked with at risk youth from 2001-2017 in a job readiness training program that involved planting many trees in public and private green-spaces in Toledo.

Organized and installed a memorial park for the United North Community Development Center which involved planting nine large trees in 2016.

Volunteered to conduct on-site tree planting classes with youth at the Frederick Douglas Center with the Junction Coalition.

Continue to plant trees at several community gardens in Toledo, notably the Sofia Quintero center and the Junction Coalition at the It Blooms on Blum Street community garden.

I am writing to request that you consider me for membership on the City of Toledo Urban Forestry Commission. This is an excellent opportunity that

---

---

**ALVIN H. JOHNSON**

3041 Navajo Crossing, New Haven, In. 46774

**(219) 749 - 6101**

WAS 3733 WESTCHESTER Rd  
TOLEDO

NOW 4317 MORNING DOVE DR  
OREGON OH  
43016

H 419 6979141  
G 419 2669141

**Career Objective:** To continue to work in the green goods industry which could include but not limited to seasonal products in the lawn furniture, grills and Christmas trim-a-tree categories with emphasis on purchasing, merchandising, and training.

**EXPERIENCE**

MARCH of 99 - 2009 THE ANDERSONS, TOLEDO, OHIO 43623 - THEN RETIRED

May, 1992 - Mar., 1999 DO IT BEST CORP. (formerly HWI), Fort Wayne, In.

*Retail Product Manager*

Responsible for six distribution centers' inventory totaling approximately 31 million dollars. Duties performed include selection, purchasing, merchandising, advertising, and plan-o-gramming for a wide range of products that included outdoor living, trim-a-tree, office supplies, snack foods, pet supplies, batteries, paper products, and green goods (nursery stock).

1984 - 1992

THE ANDERSON'S GENERAL STORE #41, Toledo, Oh.

*Merchandise / Sales Manager*

Manager of seasonal areas, including housewares and work wear clothing. (This position is considered as one to the store assistant manager of the entire store.) Seasonal areas included outdoor lawn and garden, indoor lawn and garden, flower shop, and sporting goods. Duties included maintaining sales and labor budgets for each department, selecting, training, developing employees for all areas and customer service.

1970 - 1984

THE ANDERSON'S GARDEN CENTER #29, Sylvania, Oh.

*Manager*

Store Manager of overall operation. Duties included customer service, employee training, employee evaluations, buying of nursery stock and annuals, and a portion of the nursery stock and hard goods. Also responsible for sales and labor budgets.

1968 - 1970

THE ANDERSON'S GARDEN CENTER #42, Maumee, Oh.

*Assistant Manager / Manager*

Duties performed included customer service, employee training, buying all annuals, geraniums, perennials; and a portion of the nursery stock.

**MILITARY**