

## CURRICULUM VITAE

***Ronald F. Zec, Ph.D., ABPN, ABPP (CN)***

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### PERSONAL DATA:

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Date of Birth: September 6, 1949

### EDUCATION:

1967 Woodbridge High School  
Woodbridge, New Jersey

1971 Rutgers University, New Brunswick, New Jersey  
B.A. Psychology  
Undergraduate Henry Rutgers Scholar's Thesis: Effects of desalivation on drinking and air-licking induced by water deprivation and hypertonic saline injections.

1975 University of Kansas, Lawrence, Kansas  
M.A. in Experimental/Physiological Psychology  
Master's Thesis: Electrical Self-Stimulation of the Lateral Hypothalamus in Rats

1977                      University of Kansas, Lawrence, Kansas  
Ph.D. in Experimental/Physiological Psychology  
Dissertation: Studies of non-nutritive reinforcers for water-deprived rats:  
Suppression of fluid intake, licking "in vacuo", and an oral-oropharyngeal  
gradient of reinforcement

#### **SCHOLARSHIPS AND FELLOWSHIPS:**

1971 – 1975    NIMH Public Health Training Grant in Experimental Psychology  
1967 – 1971    New Jersey State Scholarship

#### **LICENSES AND CERTIFICATE OF PROFESSIONAL QUALIFICATION:**

1999                      Certificate of Professional Qualification in Psychology (CPQ #427) from the  
Association of State and Provincial Psychology Boards (ASPPB)  
1985                      Licensed Clinical Psychologist in Illinois (License No. 071-0032520)  
1985                      Licensed in Psychology in Virginia  
1984                      Licensed for the Professional Practice of Psychology in Maryland  
1983                      Licensed for the Professional Practice of Psychology in the District of  
Columbia

#### **BOARD CERTIFICATION (DIPLOMATES):**

1997                      Diplomate from the American Board of Clinical Neuropsychology (ABCN) and  
the American Board of Professional Psychology (ABPP)  
1991                      Diplomate from the American Board of Professional Neuropsychology (ABPN)  
(Diploma No. 228) (Board certification by work samples and oral examination)  
1985                      Diplomate from the American Board of Professional Neuropsychology (ABPN)  
(Diploma No. 124) (Board certification by work samples)

#### **HONORS AND AWARDS:**

1999                      Elected a Fellow in the National Academy of Neuropsychology  
1997-present    Membership in the American Academy of Clinical Neuropsychology  
1991                      Elected to Who's Who in the Midwest  
1977                      Inducted into Phi Kappa Phi National Honor Society  
1971                      Graduated with High Distinction in Psychology, Rutgers University  
1970 - 1971    Henry Rutgers Scholar in Psychology, Rutgers University  
1966                      Superior Achievement in the field of Mathematics  
(National High School & Junior College Mathematics Club)  
1965                      Chamber of Commerce Scholastic Achievement Award

**POSITIONS HELD:**

- 1994 – present      Associate Professor  
                                 Departments of Psychiatry and Neurology  
                                 SIU Center for Alzheimer Disease and Related Disorders  
                                 National Parkinson Foundation Center of Excellence (2001 – present)  
                                 Southern Illinois University School of Medicine  
                                 Springfield, Illinois
- 1984 – 1994      Assistant Professor  
                                 Department of Psychiatry (1984 - 1994)  
                                 Department of Neurology (1989 - 1994)  
                                 Center for Alzheimer Disease and Related Disorders (1988 – 1994)  
                                 Southern Illinois University School of Medicine  
                                 Springfield, Illinois
- 1986 – present      Head, Neuropsychology Section  
                                 SIU Center for Alzheimer Disease and Related Disorders  
                                 Springfield, Illinois
- 1998 – present      Adjunct Associate Professor  
                                 Gerontology Program  
                                 University of Illinois at Springfield  
                                 Springfield, Illinois
- 1993 – 1994      Assistant Professor  
                                 Department of Neurology - Cross Appointment  
                                 Southern Illinois University School of Medicine  
                                 Springfield, Illinois
- 1992 – present      Adjunct Faculty Member  
                                 Adler School of Professional Psychology  
                                 Chicago, Illinois
- 1989 – 1993      Assistant Professor  
                                 Department of Internal Medicine (Division of Neurology) – Cross Appointment  
                                 Southern Illinois University School of Medicine  
                                 Springfield, Illinois

1996 – 2000      Consultant to Gateway Youth Care Foundation: Chemical Dependence  
Prevention and Treatment  
Springfield, Illinois

1992 – 2001      Consultant to St. John's Psychiatric Unit  
St. John's Hospital  
Springfield, Illinois

1984 – 1990      Clinical Care Consultant in Psychology  
McFarland Mental Health Center  
Springfield, Illinois

1983 – 1984      Director of Neuropsychology  
Section on Clinical Neuropsychiatry and Neurobehavior  
National Institute of Mental Health  
Washington, D.C.

1983 – 1984      Clinical Care Consultant in Psychology to the Clinical  
Center of the National Institutes of Health  
Bethesda, Maryland

1980 – 1984      Senior Staff Fellow  
National Institute of Mental Health  
Saint Elizabeth Hospital  
Washington, D.C.

1978 – 1980      Assistant Professor  
Department of Psychology  
Lafayette College  
Easton, Pennsylvania

1977 – 1978      Postdoctoral work in Physiological Psychology  
Department of Psychology  
University of Kansas  
Lawrence, Kansas

1971 – 1975      National Institutes of Mental Health  
NIMH Public Health Training Grant in Experimental Psychology  
University of Kansas  
Lawrence, Kansas

**MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:**

American Psychological Association (APA)  
APA Division 40 (Neuropsychology and Assessment)  
APA Division 20 (Adult Development and Aging)  
Association for Psychological Science (APS); formerly American Psychological Society  
International Neuropsychology Society (INS)  
National Academy of Neuropsychology (NAN)  
Society of Neuroscience  
American Neuropsychiatric Association (ANPA)  
Society for Behavioral and Cognitive Neurology  
Phi Kappa Phi National Honor Society  
The Behavioral and Brain Sciences (BBS) Associateship  
Midwest Neuropsychology Group  
New York Neuropsychology Group  
Central Illinois Psychological Society  
American College of Forensic Examiners

**OFFICES HELD:**

1990 – 1991            President of the Central Illinois Psychological Society  
1989 – 1990            Treasurer-Secretary of the Central Illinois Psychological Society

**PROFESSIONAL COMMITTEES:**

1991 – 1992            Division 40 (Clinical Neuropsychology) APA Program Committee  
1992                      Paper Session Chairman: APA: Neuropsychology of Aging and Dementia  
1989 – 1999            Illinois Department of Rehabilitation Service (DORS) Head Injury Task  
Force (Appointed November 22, 1989)  
1992 - present           Professional Advisory Board for the Epilepsy Association of Lincoln Land

**REVIEWER FOR THE FOLLOWING JOURNALS AND BOARDS:**

Journal of the International Neuropsychological Society  
Journal of Clinical and Experimental Neuropsychology  
Neuropsychology Review  
Archives of Clinical Neuropsychology  
Aging, Neuropsychology, and Cognition  
American Board of Clinical Neuropsychology (ABCN)

## PUBLICATIONS:

### Empirical Papers in Peer-Reviewed Journals

- 1) Mendelson, J., Zec, R. and Chillag, D. Schedule dependency of schedule-induced air-licking. Physiol. Behav. 7: 207-210, 1971.
- 2) Mendelson, J., Zec, R. and Chillag, D. Effects of desalivation on drinking and air-licking induced by water deprivation and hypertonic saline injections. J. Comp. Physiol. Psychol. 80: 30-42, 1972.
- 3) Mendelson, J. and Zec, R. Effects of lingual denervation and desalivation on airlicking in the rat. Physiol. Behav. 8: 711-714, 1972.
- 4) Mendelson, J., Redwine, J.N., Oke, A.F., Plotsky, P.M., Zec, R. and Freed, W.J. Effects of partial ageusia and anosmia on threshold for stimulus-bound feeding and drinking in rats. Behav. Biol. 12: 1-19, 1974.
- 5) Berman, K.F., Weinberger, D.R., Morihisa, J.M. and Zec, R.F. Regional Cerebral Blood Flow in Psychiatry: Application to Clinical Research. In: Brain Imaging in Psychiatry, Morihisa, J.M. (ed.), American Psychiatry Press, Washington, D.C., 41-64, 1984.
- 6) Mirsky, A.F., DeLisi, L.E., Buchsbaum, M.S., Quinn, O.W., Scherdt, P. Siever, L.J., Mann, L., Weingartner, H., Zec, R., Sostek, A., Alterman, I., Revere, V., Dawson, S.D. and Zahn, T.P. Genain Quadruplets -- Psychological studies. Psychiatr. Res. 13, 77-93, 1984.
- 7) Shore, D., Korpi, E.R., Bigelow, L.B., Zec, R.F. and Wyatt, R.J. Fenfluramine and chronic schizophrenia. Biological Psychiatry, 20: 329-352, 1985.
- 8) Weinberger, D.R., Berman, K.F. and Zec, R.F. Physiological dysfunction of dorsolateral pre-frontal cortex in schizophrenia: I. Regional cerebral blood flow (rCBF) evidence. Archives of General Psychiatry, 43, 114-124, 1986.
- 9) Berman, K.F., Zec, R.F. and Weinberger, D.R. Physiological dysfunction of dorsolateral pre-frontal cortex in schizophrenia: II. Role of neuroleptic treatment, attention, and mental effort. Archives of General Psychiatry, 43, 126-135, 1986.
- 10) Berman, K.F., Weinberger, D.R., Shelton R.C. and Zec, R.F. A relationship between an anatomical and physiological brain pathology in schizophrenia: Lateral cerebral ventricular size predicts cortical blood flow. American Journal of Psychiatry, 144: 1277-1282, 1987.

- 11) Weinberger, D.R., Berman, K.F., Iadarola, M., Driesen, N. and Zec, R.F. Prefrontal Cortical blood flow and cognitive function in Huntington's disease. Journal of Neurology, Neurosurgery, and Psychiatry, 51: 94-104, 1988.
- 12) Becker, R.E., Colliver, J., Elble, R., Feldman, E., Giacobini, E., Kumar, V., Markwell, S., Moriearty, P., Parks, R., Shillcutt, S.D., Unni, L., Vicari, S., Womack, C., and Zec, R. F. Effects of Metrifonate, A Long Acting Cholinesterase Inhibitor, in Alzheimer Disease: Report of an Open Trial. Drug Developmental Research 19: 425-434, 1990.
- 13) Parks, R.W., Zec, R.F., Kuhn, M., Vicari, S., Feldman, E., Coburn, K.L., Ashford, J.W., Crockett, D.J., Moreno, M.A., and Rashid, A. Electrocortical Mapping, MRI, and Neuropsychological Measures: Evidence of Alzheimer's Disease in the Presence of Vascular Lesions. Archives of Clinical Neuropsychology, 6, 393-408, 1991.
- 14) Davis, K.L., Thal, L.J., Gamzu, E.R., Davis, C.S., Woolson, R.F., Gracon, S., Drachman, D.A., Schneider, L.S., Whitehouse, P.J., Hoover, T.M., Morris, J.C., Kawas, C.H., Knopman, D.S., Earl, N.L., Kumar, V., Doody, R.S., and the Tacrine Collaborative Study Group (including Zec, R.F.). A Double-Blind, Placebo-Controlled Multicenter Study of Tacrine for Alzheimer's Disease. The New England Journal of Medicine, 327 (18), 1253-1259, 1992.
- 15) Zec, R. F., Landreth, E. S., Vicari, S. K., Feldman, E., Belman, J., Andrise, A., Robbs, R., Kumar, V., Becker, R. Alzheimer Disease Assessment Scale: Useful for Both Early Detection and Staging of Dementia of the Alzheimer Type. Alzheimer Disease and Related Disorders -- An International Journal, 6 (2), 89-102, 1992.
- 16) Zec, R. F., Landreth, E. S., Vicari, S. K., Belman, J., Feldman, E., Andrise, A., Robbs, R., Becker, R., and Kumar, V. Alzheimer Disease Assessment Scale: A Subtest Analysis. Alzheimer Disease and Related Disorders -- An International Journal, 6 (3), 164-181, 1992.
- 17) Zec, R., Landreth, E., Belman, J., Fritz, S., Hasara, A., Fraiser, W., Wainman, S., McCool, M., Games, E., O'Connell, C., Harris, R., Robbs, R., Elble, R., and Manyam, B. A Comparison of Phonemic, Semantic, and Alternating Word Fluency in Parkinson Disease. Archives of Clinical Neuropsychology, 14 (3), 255-264, 1999.
- 18) Zec, R. F., Zellers, D., Belman, J., Miller, J., Matthews, J., Ferneau-Belman, D., and

- Robbs, R. Long-Term Consequences of Severe Closed Head Injury on Episodic Memory, Journal of Clinical and Experimental Neuropsychology, 23 (5), 671-691, 2001.
- 19) Zec, R.F., Markwell, S.J., Burkett, N.R. and Larsen, D.L. A Longitudinal Study of Confrontation Naming in the "Normal" Elderly. Journal of the International Neuropsychological Society, 11, 716-726, 2005.
- 20) Zec, R.F., Burkett, N.R., Markwell, S.J., and Larsen, D.L. A Cross-Sectional Study of the Effects of Age, Education, and Gender on the Boston Naming Test. The Clinical Neuropsychologist, 21, 569-598, 2007.
- 21) Zec, R.F., Burkett, N.R., Markwell, S.J., and Larsen, D.L. Normative Data Stratified for Age, Education, and Gender on the Boston Naming Test. The Clinical Neuropsychologist, 21, 599-619, 2007.

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#### **Critical and Theoretical Review Articles Published in Peer-Reviewed Journals**

- 1) Freed, W.J. and Zec, R. Criteria for ruling out sedation as an interpretation of neuroleptic effects. The Behavioral and Brain Sciences 5: 57-59, 1982.
- 2) Zec, R.F. and Weinberger, D.R. Relationship between CT scan findings and neuropsychological performance in chronic schizophrenia. Psychiatric Clinics of North America, 9, 49-61, 1986.
- 3) Parks, R., Crockett, D.J., Tuokko, H., Beattie, B.L., Ashford, J.W., Coburn, K., Zec, R.F., Becker, R.E., McGeer, P.L., & McGeer, E.G. Neuropsychological "Systems Efficiency" and Position Emission Tomography. The Journal of Neuropsychiatry and Clinical Neurosciences, 1, 269-282, 1989.
- 4) Parks, R.W., Long, D.L., Levine, D.S., Crockett, D.J., McGeer, E.G., and McGeer, P.L. Dalton, I.E., Zec, R.F., Becker, R.E., Coburn, K.L., Siler, G., Nelson, M.E., and Bower, J.M. Parallel Distributed Processing and Neural Networks: Origins and Methodology and Cognitive Functions. The International Journal of Neuroscience, 60, 195-214, 1991.
- 5) Zec, R.F. Neuropsychology of Aging. Experimental Gerontology, 30(3-4), 431-442, 1995.
- 6) Zec, R. F. Neuropsychology of Schizophrenia According to Kraepelin: Disorders of Volition and Executive Functioning, European Archives of Psychiatry and Clinical Neuroscience, 245, 216-223, 1995.

- 7) Zec, R.F. and Trivedi, M. Effects of Hormone Replacement Therapy on Cognitive Aging and Dementia Risk in Postmenopausal Women: A Review of Ongoing Large Scale, Long Term Clinical Trials. *Climacteric: The Journal of the International Menopause Society*, 5, 122-134, 2002.
- 8) Zec, R.F. and Trivedi, M. The effects of Estrogen Replacement Therapy on Neuropsychological Functioning in Postmenopausal Women with and without Dementia: A Critical and Theoretical Review. *Neuropsychology Review*, 12 (2), 65-109, 2002.
- 9) Zec R.F. and Burkett N.R. Non-pharmacological and pharmacological treatment of the cognitive and behavioral symptoms of Alzheimer disease. *NeuroRehabilitation*, 23(5):425-38, 2008.

### **Letters in Peer-Reviewed Journals**

- 1) Zec, R.F. and Trivedi, M. Hormone Replacement Therapy and Cognition In Postmenopausal Women (Letter). *Journal of the American Medical Association*, 285 (23), 2974-2975, 2001.
- 2) Zec, R.F. and Trivedi, M. Early Termination of the Estrogen-Progestin Trial of the Women's Health Initiative (Letter). *Climacteric: The Journal of the International Menopause Society*, 5, 304, 2002.

### **Books**

- 1) Parks, R.W., Zec, R.F. and Wilson, R.S. (Editors). *Neuropsychology of Alzheimer's Disease and Other Dementias*. Oxford University Press, New York, 1993, 3rd printing).

### **Book Chapters**

- 1) Freed, W.J., Zec, R.F. and Mendelson, J. Schedule-induced polydipsia: The role of orolingual factors and a new hypothesis. In: *Drinking Behavior: Oral Stimulation, Reinforcement and Preference*, Weijnen, J.A.W.M. and Mendelson, J. (eds.), Plenum Press, 1977.
- 2) Berman, K.F., Weinberger, D.R., Morihisa, J.M. and Zec, R.F. Regional Cerebral Blood Flow in Psychiatry: Application to Clinical Research. In: *Brain Imaging in Psychiatry*, Morihisa, J.M. (ed), American Psychiatry Press, Washington, D.C., 41-64, 1984.

- 3) Zec, R.F. and Weinberger, D.R. Brain areas implicated in schizophrenia: A selective overview. In: Nasrallah H.A., and Weinberger D.R. (Eds): Handbook of Schizophrenia, Elsevier Science Publishers, Ch. 8, 175-206, 1986.
- 4) Zec, R.F. Effects of physostigmine on recognition memory in Alzheimer's disease: A comparative review. In: Current Research in Alzheimer Therapy: Cholinesterase Inhibitors , Giacobini E. and Becker R. (eds), New York: Taylor and Francis, 1988.
- 5) Elble, R.J., Giacobini, E., Becker, R., Zec, R.F., Vicari, S., Womack, C., Williams, E. & Higgins, C. Treatment of Alzheimer dementia with steady-state infusion of physostigmine. In Current Research in Alzheimer Therapy: Cholinesterase Inhibitors, Giacobini E., Becker R. (eds), New York: Taylor and Francis, 1988.
- 6) Kumar, V., Domino, L., Salama, A. and Zec, R.F. Mental changes associated with strokes. In Strokes in the Elderly: Anand K.B. (Ed.), Mahalazmi Medical Publishers, 1990.
- 7) Zec, R.F. Neuropsychology: Normal Aging Versus Early AD. In Alzheimer Disease: Current Research in Early Diagnosis, Becker, R.E. and Giacobini, E. (eds.), New York: Taylor and Francis, 105-117, 1990.
- 8) Zec, R.F., Parks, R.W., Gambach, J., and Vicari, S. The Executive Board System: An Innovative Approach to Cognitive-Behavior Rehabilitation in Patients with Traumatic Brain Injury. In: Handbook of Head Trauma: Acute Care to Recovery, Long, J.C. and Ross L.K. (eds.), Ch. 13, Plenum Press, New York, 1992, 219-230.
- 9) Zec, R.F. Neuropsychological functioning in Alzheimer disease. In: Neuropsychology of Alzheimer Disease and Other Dementias, Parks, R.W., Zec, R.F., Wilson, R.S. (Eds.), Oxford Press, New York, pps. 3-80, 1993.
- 10) Ashford, J.W. and Zec, R.F. Pharmacologic Treatment in Alzheimer's Disease. In: Neuropsychology of Alzheimer Disease and Other Dementias, Parks, R.W., Zec, R.F., Wilson (Eds.), Oxford Press, New York, pps. 589-614, 1993.
- 11) Zec, R. F., Landreth, E.S., Bird, E., Harris, R.B., Robbs, R., Markwell, S.J., and McManus, D.Q. Psychometric Strengths and Weaknesses of the Alzheimer Disease Assessment Scale in Clinical Testing: Recommendations for Improvements. In Advances in Alzheimer Therapy, edited by E. Giacobini and R. Becker, Birkhauser, Boston, 444-449, 1994.

- 12) Zec, R.F. and Burkett, N.R. Neuropsychology of Alzheimer Disease. In Geriatric Neuropsychology: Practice Essentials, Eds., Bush, S.S. and Martin T.A., Psychology Press: Taylor and Francis Group, New York, pps. 165 – 217, 2005.

### **Book Reviews**

- Zec, R. Alzheimer Disease: From A to Z. Contemporary Psychology, 43 (7), 496-497, 1998.
- Zec, R. F. Book Review: The Human Amygdala, P.J. Whalen and E.A. Phelps (Eds.). The Guilford Press, New York, NY (2010). Archives of Clinical Neuropsychology. (in press).

### **RESEARCH PRESENTATIONS AT REGIONAL, NATIONAL, AND INTERNATIONAL MEETINGS AND ASSOCIATED PUBLISHED ABSTRACTS:**

1970–1978 (5 abstracts/presentations)

- 1) Mendelson, J., Zec, R. and Chillag, D. Failure to demonstrate feeding-associated airlicking in desalivate rats. Amer. Zool., 10, 473, 1970.
- 2) Mendelson, J., Zec, R. and Chillag, D. Failure to demonstrate feeding associated airlicking in desalivate rats. Amer. Assoc. Adv. Sci., 1970.
- 3) Mendleson, J. and Zec, R. Effects of desalivation of drinking and airlicking in rats. Fourth Int. Cong. on the Reg. of Food and Water Intake, Cambridge, England, 1971.
- 4) Mendelson, J., Chillag, D. and Zec, R. The sensory basis of airlicking rodents. Proc. XXth Int. Cong. of Psychol., Tokyo, Japan, 1972.
- 5) Zec, R.F. Studies of non-nutritive reinforcers for water-deprived rats: Suppression of fluid intake, licking "in vacuo", and an oral-oropharyngeal gradient of reinforcement. Dissertation Abstracts International, Volume XXXVIII, No. 11, 1978.

1982 (1 abstract/presentation)

- 6) Kaufmann, C.A., Cutler, N.R. Jeste, D.V., Zec, R.F., Linnoila, M. and Watt, R.J. Neuroleptic-induced Gilles de la Tourette syndrome: A case with behavioral biochemical pharmacological findings. Soc. of Biol. Psychiatry Annual Meeting, 1982.

1983 (3 abstracts/presentations)

- 7) Lawson, W.B., Jeste, D.V., Phelps, B.H., Kopp, U., Bigelow, L.B., Hanin,

I. and Zec, R. Choline red blood cells and plasma in chronic schizophrenic inpatients. Society for Neuroscience Meeting, Boston, 1983.

- 8) Zec, R.F., Berman, K.F., Morihisa, J., Wyatt, R.J. and Weinberger, D.R. Regional cerebral blood flow in schizophrenia. American Psychiatric Assoc. Meeting, New York, 1983.
- 9) Zec, R.F. The Neuropsychology of Schizophrenia. The Baltimore-Washington Neuropsychological Society, Baltimore, MD, 1983.

1984 (10 abstracts/presentations)

- 10) Zec, R.F., Wyatt, R.J. and Weinberger, D.R. The Stroop Color-Word Test: A paradigm for skill learning. Methods and Techniques in Cognitive Rehabilitation, Indianapolis, 1984.
- Zec, R.F., Pickar, D. and Weinberger, D.R. A spectrum of neuropsychological impairment in chronic schizophrenia. Soc. Biol. Psychiatry Annual Meeting, Los Angeles, 1984.
- 12) Berman, K.F., Zec, R.F. and Weinberger, D.R. Impaired frontal cortical function in schizophrenia. I: rCBF evidence. Soc. Biol. Psychiatry Annual Meeting, Los Angeles, 1984.
- 13) Weinberger, D.R., Berman, K.F. and Zec, R.F. Impaired frontal cortical function in schizophrenia. II: Role of neuroleptics and of cognitive activation. Soc. Biol. Psychiatry Annual Meeting, Los Angeles, 1984.
- 14) Weinberger, D.R., Berman, K. F., Zec, R.F. and Iadarola, M.K. Effect of stimulated emotional state on cortical blood flow. Soc. Biol. Psychiatry Annual Meeting, Los Angeles, 1984.
- 15) Sherer, M., Zec, R. and Bigelow, L.B. Post visual trace versus iconic store in chronic schizophrenia. Soc. Biol. Psychiatry Annual Meeting, Los Angeles, 1984.
- 16) Weinberger, D.R., Berman, K.F. and Zec, R.F. Impaired frontal cortical function in schizophrenia: rCBF evidence. CINP Congress, Florence, 1984.
- 17) Weinberger, D.R., Berman, K.F. and Zec, R.F. Effect of stimulated emotional state on cortical blood flow. CINP Congress, Florence, Italy, 1984.
- 18) Berman, K.F., Weinberger, D.R. and Zec, R.F. Frontal cortical dysfunction in schizophrenia. American Psychiatric Association, New Research, 1984.

- 19) Berman, K.F., Zec, R.F. and Weinberger, D.R. A positive correlation between frontal cortical blood flow and performance during cognitive testing in chronic schizophrenic patients. Society for Neuroscience, Anaheim, California, 1984.

1985 (3 abstracts/presentations)

- 20) Berman, K.F., Shelton, R.C., Zec, R.F. and Weinberger, D.R. Frontal lobe structure and function in schizophrenia. American Psychiatric Association, New Research, 1985.
- 21) Zec, R.F. The Neuropsychological sequelae of the chronic schizophrenic process. Midwest Neuropsychological Group Meeting, Milwaukee, WI, 1985.
- 22) Zec, R.F. Working with the psychiatrically disabled: A new approach - The Executive Board System. Tenth Annual Meeting and Conference of the Illinois Association of Rehabilitation Facilities, Springfield, Illinois, 1985.

1986 (5 abstracts/presentations)

- 23) Zec, R.F. The Stroop Color-Word Test: A paradigm for skill learning. Ninth Annual Midwest Neurobiology Meeting, Springfield, Illinois, 1986.
- 24) Zec, R.F. and Meisler, N. Executive Board System: A new approach to cognitive-behavior modification. Eleventh Annual IAPSRS Conference: International Association of Psychosocial Rehabilitation Services, Cleveland, Ohio, 1986.
- 25) Zec, R.F. and Pliskin, N. A dramatic improvement in neuropsychological functioning in a schizoaffective patient with neuroleptic treatment. Sixth Annual Meeting of the National Academy of Neuropsychologists, Las Vegas, Nevada, October, 1986. Archives of Clinical Neuropsychology, 1, 275, 1986.
- 26) Zec, R.F. The Stroop Color-Word: A paradigm for procedural learning. Sixth Annual Meeting of the National Academy of Neuropsychologists, Las Vegas, Nevada, October, 1986. Archives of Clinical Neuropsychology, 1, 274-275, 1986.
- 27) Zec, R.F. Memory, the Cholinergic System and Alzheimer's Disease. Society of Neuroscience (Sangamon County Chapter Meeting), Springfield, Illinois, November, 1986.

1987 (6 abstracts/presentations)

- 28) Zec, R.F. The Executive Board System in the Elderly: Research. Governor's Conference on Long Term Care, Chicago, Illinois, 1987.

- 29) Zec, R.F. The Executive Board System in the Elderly: Practical Applications. Governor's Conference on Long Term Care, Chicago, Illinois, 1987.
- 30) Berman, K.F., Weinberger, D.R., and Zec, R.F. Frontal Lobe Failure in Chronic Schizophrenia, American Psychiatric Association Meeting, Chicago, 1987.
- 31) Zec, R.F. & Weinberger, D.R. Neuropsychological Sequelae of Chronic Schizophrenia, Seventh Annual Meeting of the National Academy of Neuropsychologists, Archives of Clinical Neuropsychology, Chicago, 1987.
- 32) Zec, R.F. & Sostek, A. The Stroop Test: A Comparison of the Genain Quadruplets On and Off Neuroleptic Medication, Seventh Annual Meeting of the National Academy of Neuropsychologists, Archives of Clinical Neuropsychology, Chicago, 1987.
- 33) Zec, R.F. Residual Neuropsychological Deficits and Frontal Lobe Failure in Chronic Schizophrenia. Society for Neuroscience (Sangamon County Chapter Meeting), Springfield, Illinois, October, 1987.

1988 (7 abstracts/presentations)

- 34) Zec, R.F. & Weinberger, D.R. Residual Neuropsychological Impairments in Chronic Schizophrenia, International Neuropsychological Society Meeting, New Orleans, 1988, Journal of Clinical and Experimental Neuropsychology, 11 (1), 1988.
- 35) Zec, R.F., Gambach, J. and Meyers, R.D. Improved Adaptive Functioning in Schizophrenia, International Neuropsychological Society Meeting, New Orleans, 1988; Journal of Clinical and Experimental Neuropsychology, 11 (1), 1988.
- 36) Zec, R.F. The Use of the Executive Board System with Cognitively-Impaired Elderly Residents in Nursing Homes, Sangamon State University Long-Term Care Conference, Springfield, Illinois, 1988.
- 37) Zec, R.F. The Cholinergic System, Memory and Alzheimer's Disease: A Critical Review. Advances in Alzheimer Therapy: Cholinesterase Inhibitors. Springfield, Illinois, 1988.
- 38) Elble, R.J., Giacobini, E., Becker, R., Zec, R.F., Vicari, S., Womack, C., Williams, E., Higgins, C. Treatment of Alzheimer's Dementia with Steady-State Infusion of Physostigmine. Advances in Alzheimer Therapy: Cholinesterase Inhibitors. Springfield, Illinois, 1988.

- 39) Giacobini, E., Becker, R., McIlhany, M., Unni, L. and Zec, R. Intracerebroventricular Administration of Physostigmine: Preclinical and Clinical Experience in Alzheimer Patients. Advances in Alzheimer Therapy: Cholinesterase Inhibitors. Springfield, Illinois, 1988.
  - 40) Kumar, V., Zec, R., Vicari, S. and Giacobini, E. A Significant Correlation between CSF Protein and Word Fluency in Alzheimer Disease Patients. American Gerontological Society Meeting, 1988.
- 1989 (6 abstracts/presentations)
- 41) Zec, R.F. Effects of Physostigmine on Recognition Memory in AD. Eighth Annual Meeting of the National Academy of Neuropsychologists, Orlando, 1988. Archives of Clinical Neuropsychology, 4, 131, 1989.
  - 42) Zec, R.F. Kraepelin, Dementia Praecox and Impairments in Executive Functioning. Eighth Annual Meeting of the National Academy of Neuropsychologists, Orlando, 1988. Archives of Clinical Neuropsychology, 4, 147, 1989.
  - 43) Zec, R.F., Vicari, S., & Kumar, V. Psychometric Properties of the Alzheimer's Disease Assessment Scale (ADAS). Eighth Annual Meeting of the National Academy of Neuropsychologists, Orlando, 1988. Archives of Clinical Neuropsychology, 4, 148, 1989.
  - 44) Berman, K.F., Zec, R.F., & Weinberger, D.R. Frontal cortical dysfunction in schizophrenia. Symposia presentation, American Psychiatric Association, Washington, D.C.
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2008 (1 abstract/presentation)

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2009 (1 abstract/presentation)

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2010 (2 abstracts/presentations)

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2012 (1 abstract/presentation - accepted)

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