

Ψ Kirtley E. Thornton, Ph.D. Center for Health Psychology

2 Ethel Road, Ste203C, Edison, New Jersey 08817

Telephone 732-662-7458 Fax: 732-662-7460 NJ Lic.35S100168200

Web: chp-neurotherapy.com Email: ket@chp-neurotherapy.com

Education:

Ph.D., Clinical Psychology, New School for Social Research, Graduate Faculty Division, NY, NY, 1980, offered Hiram Halle Valedictorian Scholarship

M.A., Psychology, New School for Social Research, NY, NY 1976

B.A. Oberlin College, Oberlin, Ohio, 1964

Current Professional Involvement:

Administrative Director, Center for Health Psychology, 1985-present

Professional Affiliations:

National Academy of Neuropsychology, Prof. New Jersey Learning Disability Assn., PAB

Consulting Editor; Journal of Neurotherapy Board of Directors, qEEG Certification Board

International Society for Neuronal Regulation Diplomate: QEEG, Neurotherapy

Research Chairman, AAPB Research Committee Chairman, The Brain Foundation

Research:

Published Research

Neuropsychology of Sex Offenders. *Journal of Offender Rehabilitation*. Jan. 1991.

The Anatomy of The Lie: An Exploratory Investigation via the quantitative EEG. *Journal of Offender Rehabilitation*, 1995, 22 (3/4), 179-210.

On the Nature of Artifacting the qEEG. *Journal of Neurotherapy*, 1 (3), 1996, 31-40.

The Fig Technique and the Functional Structure of Memory in Head Injured and Normal Subjects. *Journal of Neurotherapy*, 2 (1), 1997, 23-43.

Exploratory Analysis: Mild Head Injury, Discriminant Analysis with High Frequency Bands (32-64 Hz) under Attentional Activation Conditions & Does Time Heal?. *Journal of Neurotherapy*, Feb., 2000, 3 (3/4) 1-10.

Exploratory Investigation into Mild Brain Injury and Discriminant Analysis with High Frequency Bands (32-64 Hz), *Brain Injury*, August, 1999, 477-488.

Electrophysiology of Auditory Memory of Paragraphs. *Journal of Neurotherapy*, 2000, Vol 4(3), 45-73.

Rehabilitation of Memory Functioning in Brain Injured Subjects with EEG Biofeedback. *Journal of Head Trauma Rehabilitation*, Dec., 2000, 15 (6), 1285-1296.

Rehabilitation of Memory functioning with EEG Biofeedback. *Neurorehabilitation*, 2002, Vol. 17 (1), 69-81.

Electrophysiology of Visual Memory for Korean Characters. *Current Psychology*, Spring 2002, Vol. 21, No. 1, 85-108.

Electrophysiology of the reasons the brain damaged subject can't recall what they hear. *Archives of Clinical Neuropsychology*, 2003, 17, 1-17.

Electrophysiology (QEEG) of Effective Reading Memory: Towards a Generator/Activation Theory of the Mind. *Journal of Neurotherapy*, 2002, 6(3), 37-66.

EEG Biofeedback for Reading Disabilities and Traumatic Brain Injuries. *Child and Adolescent Psychiatric Clinics of North America*, Jan., 2005, 137-162.

A Cost/Benefit Analysis of Different Intervention Models for the LD/Special Education Student, *Biofeedback*, Winter, 2004, 9-13.

The qEEG in the Lie Detection Problem; The Localization of Guilt, *J. of Neurotherapy*, 2006 Subtype Analysis of Learning Disability by Quantitative Electroencephalography Patterns, *Biofeedback*, 2006, 34 (3), 106-113

Reading Disability from the Activation Database Point of View, *Neuroconnections*, May, 2007, 9-11.

Subtype Analysis of Learning Disability by Quantitative Electroencephalography Patterns, *Biofeedback*, 2006, 34 (3), 106-113.

Eyes-Closed and Activation QEEG Databases in Predicting Cognitive Effectiveness and the Inefficiency Hypothesis, *Journal of Neurotherapy*, 2009, (13) 1, 1-22

Efficacy of Traumatic Brain Injury Rehabilitation: Interventions of QEEG-Guided Biofeedback, Computers, Strategies, and Medications, *Applied Psychophysiology and Biofeedback*, 2008, (33) 2, 101-124.

Traumatic Brain Injury Rehabilitation: QEEG Biofeedback Treatment Protocols, *Applied Psychophysiology and Biofeedback*, 2009, (34) 1, 59-68.

Thornton, K, Carroll, C. 2010, *Neuroconnections*, The Coordinated Allocation of Resource (CAR) Model Intervention for Reading, Problems in two clinics, fall, 8-16

Book Chapters

Ch. 95, Cognitive Rehabilitation and Neuronal Plasticity, in Evidence Based Practice Manual, ed. A. Roberts & K. Yaeger, Oxford University Press, 2004

Integrative Clinical Psychology, Psychiatry and Behavioral Medicine: Perspectives, Practices and Research

Chapter Title: Traumatic Brain Injury and the Role of the Quantitative EEG in the assessment and remediation of cognitive sequelae, 12/2009.463-508.

Book

NCLB Goals (and more) are attainable with Neurocognitive Interventions, Vol. 1, Booksurge Press, 2006

Consultant

Traumatic Brain Injury Grant Reviewer: Department of Defense, 12/2008

Federal Grant Reviewer, May, 2009

Certification:

Licensed Psychologist, State of N.J. (#35 S1 00168200), N.Y. (#00713784), Pennsylvania (#PS015371)

1-Patent #5564433: Method for Display, Analysis, Classification, and Correlation of Electrical Brain Function Potentials - issued 10-15-1996

2-Patent # 6309361 B1 Method for Improving Memory by Identifying and Using QEEG Parameters Correlated to Specific Cognitive Functioning – issued 10-30-2001

Nominated for 1998 Thomas A. Edison Patent of the Year Award

Nominations: June, 2002

1-Award for Distinguished Professional Contributions to Independent or Institutional Practice in the Private Sector

2-Award for Distinguished Contributions of Applications of Psychology to Education and Training
May, 2004

3-New Abilities Foundation Award for Best New Freedom Product or Technology (considered by supporters as the Nobel Peace prize award in the area of disabilities)

4-**Aug., 2005** North American Brain Injury Society Innovations in Treatment Award

Awards

Sept., 2009 Joseph Lubar Award for contributions to Neurotherapy, awarded by ISNR