

CURRICULUM VITAE

REBECCA McALASTER

Florida Licensed Psychologist #0005242
becky.mcalaster@gmail.com

Education:

B.A., English, University of Oregon, OR

M.S., Counseling, Fordham University, NY

Ph.D., Psychology, State University of New York at Stony Brook, NY

Clinical Retraining: Retrained in APA - approved clinical psychology program at University of Maryland, Baltimore County, Catonsville, MD

Clinical Psychology Internship, James A. Haley Veteran's Hospital, Tampa, FL (APA-approved)

Dissertation Title:

Quantitative EEG Analysis of Down's Syndrome Children: Developmental Comparisons

Positions Held:

Aug. 2020 to Present – Neuropsychologist, Applied Neuroscience, Inc., St. Petersburg, FL.

Aug. 1995 – June 2011: Staff Psychologist, Tampa General Hospital, Brain Injury Unit, Rehab Center, Tampa, FL.

Oct. 1994 - July 1995: (Fellowship)- Bay Pines Foundation, Research & Development, V.A. Medical Center, Bay Pines, FL. Research and data analysis, head injured patients. Included neuropsychological, EEG, and MRI data.

Aug. 1993 - Sept. 1994 - Internship at James A. Haley Veteran's Hospital, Tampa, FL.

1986-1993 Staff Psychologist, Montebello Hospital, Baltimore, MD. Neuropsychological evaluations, psychotherapy, case review presentations, psychotherapy groups, research. Supervision of psychology technician, supervision of MA and Ph.D. internship students. Patients: head injury, stroke, multiple sclerosis, brain tumor, orthopedic, and spinal cord injured. Also worked at Maryland Institute for Emergency Medical Services (MIEMSS) half-time (6/88 to 11/88) (neuropsychological evaluations, PTSD, conversion disorder, depression; most of these patients had head injuries.

1982-1986 Clinic Coordinator, Neurometrics, Maryland Institute for Emergency Medical Services, University of Maryland at Baltimore, Baltimore, MD. Writing clinical report on EEG and evoked potentials for trauma patients. Supervision of EEG technician.

1980-1982 - Research Associate, Applied Neuroscience Lab, University of Maryland at Baltimore, Baltimore, MD. Data analysis, neuropsychological testing of children. Writing evoked potential and spectral EEG clinic reports for head trauma patients.

1979-1980 - Research Analyst, University of Maryland, Eastern Shore, Princess Anne, Maryland. Data Analysis, neuropsychological testing of normal & learning disabled children.

1977-1979 Graduate Teaching Assistantship, Dept. of Psychology, SUNY, Stony Brook, N.Y.

1977-1979 - Research Assistant: Brain Research Laboratories, NYU Medical Center, New York University, NY. Psychological and Neuropsychological testing of normal and learning disabled children. Data analysis of EEG, psychometric, and neuropsychological data.

1971-1977 - Counselor, Cornell University (ILR Program, N.Y., NY.) Academic, personal, vocational counseling.

Professional Memberships (current and former)

Member, Division 40, American Psychological Association

Member, Maryland Psychological Association

Member, International Neuroscience Society

Former member of Board of Directors, Maryland Head Injury Foundation, 1982-1987

Secretary (elected) Maryland Head Injury Foundation, 1982-1986

National Association of Neuropsychology

Teaching Experience:

Teaching Assistant, Department of Psychology, State University of New York at Stony Brook:

- Developmental Psychology, 1977
- Human Learning, 1978
- Experimental Psychology, 1978
- Developmental Psychology, 1979

Instructor, Department of Psychology, University of Maryland Baltimore County (with Dr. Mary Ann Fisher):

- Neurometrics and Learning Disabilities, 1981
- Developmental Psychology, 1981

Have given many in-services at Montebello Hospital, Maryland Institute for Emergency Medical Services, and Tampa General Hospital.

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Handbook:

McAlaster, R., *Academic Skills*, Ithaca, New York: Cornell University, 1975.

Journal Articles and Book Chapters:

Waters, H., and McAlaster, R. Encoding Variability and Organization in Free Recall. *Journal of Experimental Child Psychology*. Vol. 36, 1983, pp. 380-395.

Thatcher, R.W., McAlaster, R., Lester, M.L., Horst, R.L. and Cantor, D.S. Hemispheric EEG Asymmetries Related to Cognitive Functioning in Children. - In: *Cognitive Processing in the Right Hemisphere*, A. Peracman (Ed.), New York: Academic Press, (1983).

Thatcher, R.W., McAlaster, R. and Lester, M.L. Evoked Potentials Related to Hair Cadmium and Lead. In: *Cognition and Brain Activity*. R. Karrer, D. Cohen and P. Tueting (Eds.), *Annals of the New York Academy of Sciences*, Vol. 425, 1984, pp. 23-31.

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Thatcher, R.W., Lester, M.L., McAlaster, R. and Cantor, D.S. Comparisons Among Nutrition, EEG and Trace Elements in Predicting Reading Ability in Children. In: *Reading and Reading Disability: Scanning the 80's From Left to Right. Annals of The New York Academy of Sciences*, Vol. 433:87-96, 1985.

Ducker, T., Thatcher, R., McAlaster, R. and Cantor, D.S. Spinal Cord Monitoring in Neurosurgery in the United States: An Update. *Proceedings of the International Spinal Cord Monitoring Conference*, 1984.

McAlaster, R., Thatcher, R.W., Krause, P., Geisler, F. Somatosensory Evoked Potential Recordings in Neurotrauma Patients and Value of SEPs in Diagnosing Conversion Disorders. In: *Neurophysiology and Standards of Spinal Cord Monitoring*. Edited by Ducker, T.B., and Brown, R.H. 1987.

Thatcher, R.W., Cantor, D.S., McAlaster, R., Geisler, F. and Krause, P. (1991). Comprehensive Prediction of Outcome in Closed Head-Injured Patients: The Development of Prognostic Equations. In: (Eds) R.A. Zappulla, F., F. LaFever, J, Jaeger, and R. Bilder, *Windows on the Brain: Neuropsychology's Technological Frontiers, Annals of the New York Academy of Science*, Vol. 620, April 24, 1991, pp. 82-101.

McAlaster, R. (1992). Postnatal Cerebral Maturation in Down's Syndrome Children: A Developmental EEG Coherence Study. *The International Journal of Neuroscience*, Vol. 65, pp. 221-237.

Drubach, D., McAlaster, R., and Hartman, D. The Use of a Psychoanalytic Framework in The Rehabilitation of Patients with Traumatic Brain Injury. *The American Journal of Psychoanalysis*, Vol. 54(3), pp 255-263.

ABSTRACTS

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Thatcher, R.W., Lester, M.L. and McAlaster, R. Electro-physiological and Trace Element Assessment of Learning Disabled Children. *Proceedings of The Ninth Annual Meeting of The International Neuropsychology Society*. Atlanta, Georgia, Feb. 15-22, 1981.

Thatcher, R.W., Lester, M.L., and McAlaster, R. Electro-physiological Analysis of Interhemispheric Coordination in Learning Disabled Children. *Proceedings of Symposium on Cognitive Processing in the Right Hemisphere*. Institute for Research in Behavioral Neuroscience, New York University School of Medicine, New York, November, 1980.

Thatcher, R.W., Lester, M.L., McAlaster, R., and Horst, R. EEG Correlates of Intelligence in Children. *Proceedings of the Society for Neuroscience Annual Meeting*. Los Angeles, California, November, 1981.

Lester, M.L., Thatcher, R.W., Monroe-Lord, L. and McAlaster, R. Trace Mineral and

Dietary Correlates of Children's Mental Performance. *To appear in the Proceedings of the International Conference of the Association for Children and Adults with Learning Disabilities, Chicago, March, 1982.*

Cantor, D.S., Thatcher, R.W., McAlaster,R., Lester, M.L. and Horst, R.L. Topographic Distribution of EEG Hemispheric Coherence Related to Cognitive Functioning in Children. *Society for Research in Child Development*, (December, 1981).

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Ducker, T.B., Thatcher, R.W., Cantor, D.L., Meyer, W. and McAlaster, R. Comprehensive Assessment of Coma in Neurotrauma Patients. *32nd Annual International Congress of Neurological Surgeons*, Toronto, Canada, October, 1982.

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Thatcher, R.W., Cantor, D.S., McAlaster, R., Geisler, F., Meyer, W. and M. Salcman. Comparisons between EEG, CT-Scan and Glasgow Coma Scale Predictors of Recovery of Function in Neurotrauma Patients. Presented at *Annual Meeting of American Association for Neurological Surgeons*, San Francisco, April, 1984.

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Thatcher, R.W., Fishbein, D., Cantor, D.S., Lester, M.L. and McAlaster, R. Neurometric Analysis and the Treatment of Maladaptive Behavior. Presented at the American Society of Criminology's 34th Annual Meeting in Toronto, Canada, November 4-6, 1982.

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