

## **Dave Siever, CET**

### **Curriculum vitae**

#### **Present position**

Owner and CEO of Mind Alive Inc., Edmonton, Alberta, Canada

#### **Education**

1977-1979. Telecommunications Technologist, Northern Alberta Institute of Technology, Edmonton, Alberta.

1982-1986. Audited: Physiology; Gross Human Anatomy; Biofeedback.

#### **Conference Presentations and Abstracts:**

Dave has been lecturing and conducting workshops at the International Society for Neuronal Regulation, the Association of Applied Psychophysiology and Biofeedback, Biomedical Instruments Inc., Stens Corporation and the Open University teaching BCIA certified courses since the early 1990s. In the fall of 2006, Dave was a main presenter at the American College for the Advancement of Medicine and the International Light Assn in Berlin 2011. The topics include audio-visual entrainment technology, self-regulation and biofeedback, heart-rate variability, quantitative EEGs, cranio-electro stimulation and transcranial DC Stimulation. David also hosts his own courses in Canada, USA, Holland, England and Germany.

#### **Teaching Experience**

1985-1988. a) The Faculty of Dentistry at the University of Alberta: Basic Human Physiology;  
b) Advanced TMJ Dysfunction Diagnostics elective course.

1992 to present. Dave has taught roughly 100 workshops on neuronal regulation and Stimulation Technologies.

2014. Dave completed a Ph.D. level course on neuronal regulation and Stimulation Technologies for Saybrook University.

2000 to present. Dave is frequently a guest-speaker on radio talk-shows involving brain function.

#### **Research Experience**

1980-1988. Involved in a variety of studies involving the Temporo-mandibular joint with Dr. Norman Thomas.

1988. The Application of Audio-visual Entrainment Technology for the Treatment of Musculo-skeletal Tension. University of Alberta.

2000 Joyce and Siever. Audio-Visual Entrainment Program as a Treatment for Behavior Disorders in a School Setting. Journal of Neurotherapy, Vol 4 (2).

Dave has provided input and research design considerations on 25 studies involving his DAVID AVE devices.

## **Additional Experience**

Chair: Computer Engineering Technology Advisory Council, Northern Alberta Institute of Technology, 1997-2007, 2012.

## **Articles Published**

A dozen articles on Stimulation Technologies and neurophysiology in Biofeedback and Neuroconnections

## **Professional Societies**

International Light Assn.

International Society for Neurofeedback and Research.

Association of Applied Psychophysiology and Biofeedback

Alberta Society of Engineering Technologists (Certified Engineering Technologist)

## **Personal**

Dave is engaged in many activities relating to his theme of “Dancing in the Dendrites” and “things we do to make our Minds Alive!” As a result of this life quest, Dave engages in these activities:

- 1) Advanced SCUBA diver
- 2) Certified Coastal Skipper (of sail boats)
- 3) Singer/songwriter/guitarist.
- 4) Caving
- 5) Runner/cyclist
- 6) Boating and kayaking
- 7) Cross-country skiing
- 8) Flies radio-controlled planes & drones

## **Publications Involving Dave Siever:**

(In chronological order - oldest to most recent)

Thomas, N., Siever, D. (1989). The effect of repetitive audio/visual stimulation on skeletomotor and vasomotor activity. In Waxman, D., Pederson, D., Wilkie, I., & Meller, P. (Eds.) *Hypnosis: 4<sup>th</sup> European Congress at Oxford*. 238-245. Whurr Publishers, London.

Siever, D. (1998). Independent field stimulator. USA patent # 5,709,645.

Siever, D. (2000). The rediscovery of audio-visual entrainment technology. Unpublished manuscript. Available from Mind Alive Inc., Edmonton, Alberta, Canada.

Joyce, M., & Siever, D. (2000). Audio-visual entrainment program as a treatment for behavior disorders in a school setting. *Journal of Neurotherapy*. 4, (2) 9-15.

Siever, D. (2003). Audio-visual entrainment: I. History and physiological mechanisms.

*Biofeedback*, 31, (2), 21-27. [www.mindalive.com/1\\_0/article%201.pdf](http://www.mindalive.com/1_0/article%201.pdf).

Siever, D. (2003). Audio visual entrainment: II. Dental studies. *Biofeedback*, 31(3), 29-32. [www.mindalive.com/1\\_0/article%202.pdf](http://www.mindalive.com/1_0/article%202.pdf).

Siever, D. (2003). Applying audio-visual entrainment technology for attention and learning-part III. *Biofeedback*, 31, (4), 24-29. [www.mindalive.com/1\\_0/article%203.pdf](http://www.mindalive.com/1_0/article%203.pdf).

Siever, D., (2003) Techtalk: Matters of the heart. Spring, 2003 Newsletter. Available from: [www.mindalive.com/1\\_0/techtalkhrv.htm](http://www.mindalive.com/1_0/techtalkhrv.htm).

Siever (2004). Stimulation of the central nervous system, CIPO patent # 2,491,085.

Siever, D. (2004). The application of audio visual entrainment for the treatment of seasonal affective disorder, *Biofeedback*, 32(3),32-35. [www.mindalive.com/1\\_0/article%204.pdf](http://www.mindalive.com/1_0/article%204.pdf).

Siever, D. (2005). The application of audio-visual entrainment for the treatment of seniors issues. *Biofeedback, Part I*, 33, (3), 109-113 and *Biofeedback, Part II*, 34, (2), 69-72. [www.mindalive.com/1\\_0/article%206.pdf](http://www.mindalive.com/1_0/article%206.pdf) and at: [www.aapb.org/tl\\_files/AAPB/files/biof\\_34\\_2\\_seniors.pdf](http://www.aapb.org/tl_files/AAPB/files/biof_34_2_seniors.pdf)

Siever, D (2006). Safety and TruVu Omniscreen Eyesets. [WWW.mindalive.com/1\\_0/article%208.pdf](http://WWW.mindalive.com/1_0/article%208.pdf).

Siever, D., (2006). Audio-visual entrainment: Finding a treatment for post traumatic stress disorder. Available from: [www.mindalive.com/1\\_0/article%207.pdf](http://www.mindalive.com/1_0/article%207.pdf).

Siever, D. (2007). Audio-visual Entrainment: History, Physiology, and Clinical Studies. *Handbook of Neurofeedback: Dynamics and Clinical Applications*, Chapter 7, 155-183.

Collura, T. & Siever, D (2009). Chapter 8 – Audio-visual entrainment in relation to mental health and EEG. *Quantitative EEG and Neurofeedback-2<sup>nd</sup> Edition*, 195-220.

Siever, D. (2009). Transcranial DC stimulation. *Neuroconnections*. January, 2009, 22-25.

Berg, K. & Siever, D. (2009) A Controlled Comparison of Audio-visual Entrainment for Treating SAD. *Journal of Neurotherapy*, Vol 13, 3, 166-175.

Siever, D. (2010). Tech Talk – Overview on Electricity, CES Frequencies and Waveforms. [http://www.mindalive.com/1\\_0/techtalkceswaveforms.htm](http://www.mindalive.com/1_0/techtalkceswaveforms.htm).

Siever, D. (2012). Audio-Visual Entrainment as a Treatment Modality for Posttraumatic Stress Disorder-Part I. *Neuroconnections*, Spring Issue, 25-29.  
[http://www.mindalive.com/1\\_0/article%207.pdf](http://www.mindalive.com/1_0/article%207.pdf).

Siever, D & Garceau, C. (2012). Interview with Catherine Garceau on Helping Olympic Athletes with Depression and Weight Gain following Olympic Burnout, June, 2012. (See YouTube for video).

Siever, D. (2012). Audio-Visual Entrainment as a Treatment Modality for Posttraumatic Stress Disorder-Part II. *Neuroconnections*, Summer Issue, 25-29.  
[http://www.mindalive.com/1\\_0/article%207.pdf](http://www.mindalive.com/1_0/article%207.pdf).

Siever, D. (2012). Audio-Visual Entrainment: A Novel Way of Boosting Grades and Socialization While Reducing Stress in the Typical College Student. *Biofeedback*. In press. [http://www.mindalive.com/1\\_0/article%209.pdf](http://www.mindalive.com/1_0/article%209.pdf).

Siever, D. Sept 11, 2012. Patent # 8,265,761. Improved Cranio-Electro Stimulator (Randomization at standard frequencies (0.5-40 Hz) and at 100 Hz). Patent valid for 20 years from filing date of: Aug 16, 2009.

Siever, D. (2013). Transcranial DC Stimulation. *Neuroconnections*, Spring Issue, 33-40.  
[http://www.mindalive.com/1\\_0/article%2010.pdf](http://www.mindalive.com/1_0/article%2010.pdf).

Siever, D. ~ September 11, 2012. Patent: US 8,265,761. Improved Cranio-Electro Stimulator (Phase-shift randomization at 100 Hz.)

Siever, D. June 2013. Patent: Canada 2,707,351. Improved Cranio-Electro Stimulator (Phase-shift randomization at 100 Hz.)

Siever, D. ~ December 17, 2013. Patent: US 8,612,007B2. Cranio-Electro Stimulator (Rounded pulse and 3Hz randomization.)

Siever, D. October 2014. Chapter for Thompson's 2<sup>nd</sup> book on special-needs children.

**Radio, TV and News:**

Dave has been in several news articles on various TV channels. Please go to: [www.youtube.com](http://www.youtube.com). Search for: "dave siever + mind alive inc." Most of the clips shown are that of Dave Siever.

Dave has been on Leslie Promo's "Talk to the Experts" on CHED radio several times since 2005.

2014-July 8. Lon Woodbury Report @ StrugglingTeens.com. Guest appearance on depression, academics and neurotechnology.

2014-Sept-26 **Vibrant Living** (WWPR – AM1490) Guest on talk show talking about vitamin D and the need to tan.