An Evidence-Based Technique to Increase Resilience among L2 Teachers

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Full Disclosure:

- (a) Views don't necessarily reflect DLI etc.
- (b) Not neutral: Personal connection? Yes.
- (c) Agenda? Yes, overt, not hidden: share this knowledge.

Professional Development: So many opportunities!

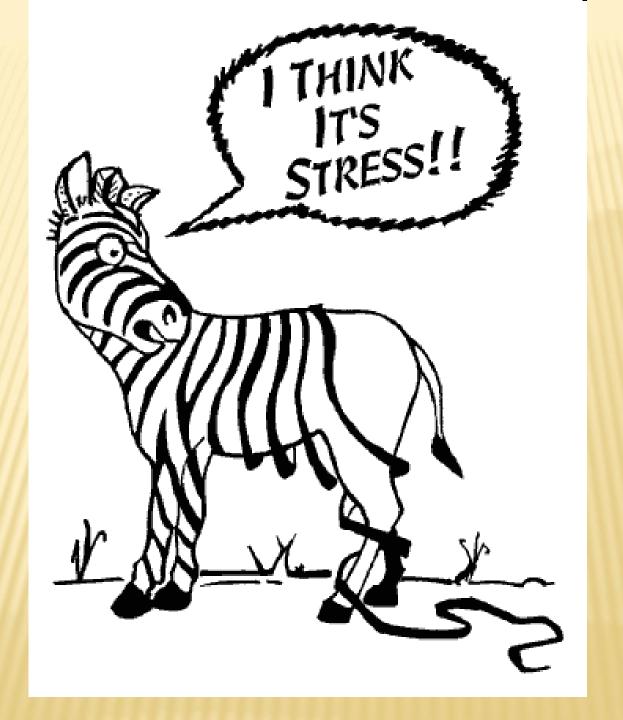
- DLI: ICC, TT, DA, OPI, PBICP, TL
- NCS: Autonomous Learner, Scenario-Based Classroom, Vocabulary Acquisition & Retention
- Tuition Reimbursement
- On-Line Courses
- Personal Knowledge Enrichment

Professional Development: Why Bother?

- National Security
- Students' Lives
- Students' Careers
- Our Careers

Professional Development: Limitations

- (a) No change from within
- (b) Targets specific skills
- (c) Huge cost... but what pay-back?
- (d) Does not address stress



Toxic Stress Sabotages the Mission.

- Costs the US \$300 billion per year.¹
- Forbes: Stress is the business world's silent killer.²
- School Teachers: 50% leave within 5 years.³
- We are a society of chronically stressed, anxious, tired adults.⁴

Neurophysiology 101:

- Prefrontal Cortex: governs higher-order thinking, e.g. analysis, planning, logic, language, moral reasoning.
- Amygdala: primitive emotional center; activates the stress response; sensitive to fear, anger, anxiety.

Neurophysiology 102:

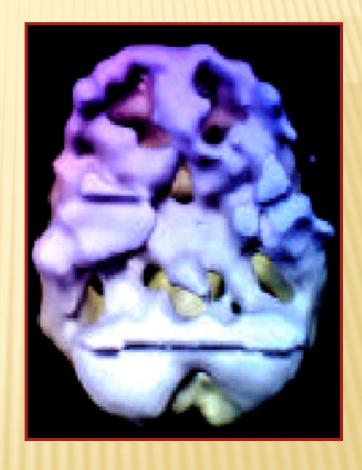
- Stress impedes Prefrontal Cortex...
- Amygdala takes over.
- Stressed brain not conducive to teaching.
- Stress impairs working memory.
- Compromises flexible mental shifting;
- Obstructs retrieval of information.

Functional Lesions



Front

Back



Normal Brain

Stressed Brain

Stress & Federal L2 Teachers

- Less stressful than PS but far from ideal.
- DLI: new 2+/2+/2 standards increase the pressure.
- 20+ hours per week on platform.
- Ss' DLPT & OPI scores determine Ts' merit points, tenure, rank advancement.
- Anxiety, depression, and insomnia: the enemies of excellent teaching.

L2 Teachers need a Heavy-Duty Stress-Buster.

Army Criteria:

- ✓ Evidence-based
- ✓ Portable
- √ Flexible
- ✓ Inconspicuous
- ✓ Easy to master

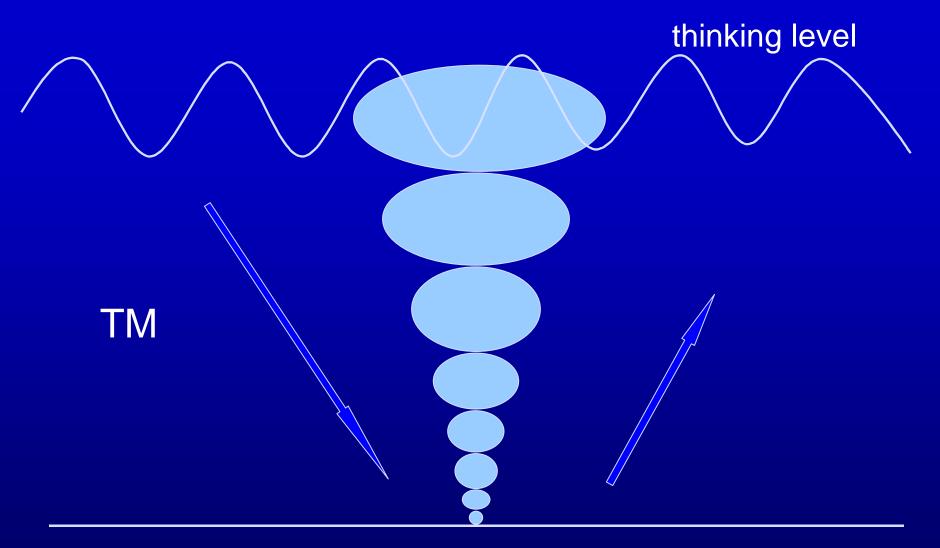
30 Modalities under scrutiny. 1 outscored the rest:

The Transcendental Meditation (TM) technique.

Why? It exceeded Army criteria, especially *evidence* and *ease*.



What is this thing, anyway?!



source of thought

consciousness without content infinite reservoir of energy and intelligence

Remember this? TM "exceeded Army criteria, especially *evidence* and *ease*." Let's take a closer look.



Evidence, part 1

- 400+ peer-reviewed studies
- Major research centers: NIH, UC-Berkeley, Harvard, etc.
- Published: JAMA, NEJM, Lancet, International Journal of Neuroscience, Journal of the AHA, etc.

Evidence, part 2

- Hypertension \
- Insulin-resistance \
- Anxiety \
- Depression \
- Brain-wave coherence ↑
- Working memory ↑
- IQ ↑
- Emotional maturity ↑

Ease

- No effort, control, or concentration.
- Monkey mind? No problem.
- 10-year-olds can do it.
- Easy because:
 - Pleasant
 - Natural



TM reduces hypertension. Other meditations don't.



\$27 million research: TM mitigates all aspects of *metabolic syndrome*.



Birthplace of ROTC
America's first private military college
All cadets offered TM



TM course every quarter.
Always a wait-list.



Multi-year study outcome: TM best for PTSD.



TM available to all med students and faculty.



Transcendental Meditation at the National Defense University



Endnotes

- 1. https://www.healthline.com/health-news/stress-health-costs
- 2. https://www.forbes.com/sites/stephaniedenning/2018/05/04/what -is-the-cost-of-stress-how-stress-is-the-business-worlds-silent-killer/#32b11d716e06
- 3. https://mobile.edweek.org/c.jsp?cid=25920011&item=http%3A %2F%2Fapi.edweek.org%2Fv1%2Fblogs%2F62%2F%3Fuuid%3D77760
- 4. https://stixrud.com/staff/william-r-stixrud/