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EDUCATION:

B.A. Fairhaven College, Western Washington University (1976)

Ed.M. Harvard Graduate School of Education (1978)

Ph.D. Harvard University (1984)

ACADEMIC APPOINTMENTS:

1984-1992 Harvard University, Associate Professor, Biological Anthropology

1992-2002 Boston University, Associate Professor, Biological Anthropology

1992-1999 McLean Hospital / Harvard Medical School, Research Associate

2002-Present University of California, Berkeley, Professor, Anthropology & Neuroscience

Ph.D. Thesis

Deacon, T. (1984) Connections of the inferior periarculate cortex in *Macaca fascicularis*: A comparative and experimental neuroanatomical investigation of language circuitry and its evolution. 379 pp. (Ph.D. Thesis, Harvard University)

Biosketch

Terrence William Deacon has over 100 publications in peer reviewed scientific journals and edited volumes, and is the author of three books including "The Symbolic Species: The Coevolution of Language and the Brain" and "Incomplete Nature: How Mind Emerged from Matter". His bench research has investigated the evolution of human brains using axonal tracing, quantitative anatomy, comparative and developmental neuroanatomy, and cross-species fetal neural transplantation. Besides evolutionary biology and neuroscience he has a theoretical interest in the concept of information in biology and emergent processes as a distinctively discontinuous mode of physical and evolutionary transition.

Books (3 selected from 4 total)

Schilhab, T., Stjernfeldt, F. and T. Deacon (eds.) (2012) *The Symbolic Species Evolved*, Springer, 301 pp.

Deacon, T. (2012) *Incomplete Nature: How Mind Emerged from Matter*. W. W. Norton & Co., New York, 604 pp.

Deacon, T. (1997) *The Symbolic Species: The Co-evolution of Language and the Brain*. W. W. Norton & Co., New York, 527 pp.

Peer reviewed journal articles (10 selected from 64 total)

1. Leijnen, S., Heskes, T. and Deacon, T. (*submitted*) Exploring Constraint: Simulating Self-Organization and Autogenesis in the Autogenic Automaton. *Artificial Life*.

2. Deacon, T., Srivastava, A. and Bacigalupi, J. (2014) The transition from constraint to regulation at the origin of life. *Frontiers in Bioscience* 19: 945-957.

3. Deacon, T. and Koutroufinis, S. (2014) Complexity and dynamical depth. *Information*, (ISSN 2078-2489)

4. Deacon, T. (2010) A role for relaxed selection in the evolution of the language capacity. *Proceedings of the National Academy of Sciences* 107: 9000-9006.

5. Deacon, T. (2008) Shannon-Botzmann-Darwin: Redefining information. Part 2. *Cognitive Semiotics* 2: 167-194.
6. Deacon, T. (2007) Shannon-Botzmann-Darwin: Redefining information. Part 1. *Cognitive Semiotics* 1: 123-148.
7. Deacon T. (2006) Reciprocal linkage between self-organizing processes is sufficient for self-reproduction and evolvability. *Biological Theory* 1(2): 136-149.
8. Wiles, J., Watson, J., Tonkes, B. and Deacon, T. (2005) Transient phenomena in learning and evolution: genetic assimilation and genetic redistribution. *Artificial Life* 11: 177-188.
9. Isacson, O. and Deacon, T. (1997) Neural transplantation studies reveal the brain's capacity for continuous reconstruction. *Trends in Neuroscience* 20: 477-482.
10. Deacon, T. (1990) Rethinking mammalian brain evolution. *American Zoologist* 30: 629-705.

Chapters in edited volumes (10 selected from 51 total)

1. Deacon, T. and Cashman, T. (2012) Teleology versus mechanism in biology: Beyond self-organization. In: Henning, B. and Scarfe, A. (eds.). *Beyond Mechanism: Putting Life Back Into Biology*. Lanham, MD: Lexington Books/Rowman & Littlefield.
2. Deacon, T. (2012) Information. In D. Favareau, P. Cobley and K. Kull (eds.) *A More Developed Sign*. Tartu University Press, pp. 161-164.
3. Deacon, T. (2012) Beyond The Symbolic Species. In T. Schilhab, F. Stjernfeldt, and T. Deacon (eds.) *The Symbolic Species Evolved*, Springer,
4. Deacon, T. and Cashman, T (2011) Eliminativism, Complexity and Emergence. In *The Routledge Companion to Religion and Science*, James Haag, Gregory Peterson and Michael Spezio (eds.), Routledge.
5. Deacon, T. (2010) What's missing from theories of information? In Paul Davies and Niels Henrik Gregersen (Eds.) *Information and the Nature of Reality: From Physics to Metaphysics*. New York: Cambridge University Press, pp. 146-169.
6. Deacon, T. (2009) Relaxed selection and the role of epigenesis in the evolution of language. In Mark S Blumberg, John H Freeman, Scott R Robinson (Eds.), *Oxford Handbook of Development Behavioral Neuroscience*, New York: Oxford University Press, pp. 730-752.
7. Deacon T. and Sherman J. (2008) The pattern which connects pleroma to creatura: the autocell bridge from physics to life. In Jesper Hoffmeyer (ed) *A Legacy for Living Systems*. Springer. Pp. 59-76.
8. Deacon, T. (2007) Three levels of emergent phenomena. In Nancey Murphy and William Stoeger (eds.) *Evolution & Emergence: Systems, Organisms, Persons*. Oxford University Press, pp. 88-112.
9. Deacon, T. (2006) Emergence: The hole at the wheel's hub. In P. Clayton & P. Davies (eds.) *The Re-Emergence of Emergence*. MIT Press, pp. 111-150.
10. Weber, B. and Deacon, T. (2003) The hierarchic logic of emergence: untangling the interdependence of evolution and self-organization. In B. Weber and D. Depew (eds.) *Evolution and Learning: The Baldwin Effect Reconsidered*. MIT Press, pp. 273-308.