I have either cited the following books in my discussion, or I have found them important in shaping my approach. For some edited volumes (as in The Heart’s Eye or the Handbook of Attachment), I also have listed articles as separate entries. In other cases, however, the compilations (like the three volumes edited by Andy Clark and Josefa Toribio or Michael Gazzaniga’s monumental The Cognitive Neurosciences) present a wide range of important and useful articles, but I refer the reader to the anthology as a whole rather than individually list the essays.

Bibliography

**Books**

I have either cited the following books in my discussion, or I have found them important in shaping my approach. For some edited volumes (as in The Heart’s Eye or the Handbook of Attachment), I also have listed articles as separate entries. In other cases, however, the compilations (like the three volumes edited by Andy Clark and Josefa Toribio or Michael Gazzaniga’s monumental The Cognitive Neurosciences) present a wide range of important and useful articles, but I refer the reader to the anthology as a whole rather than individually list the essays.


**JOURNAL ARTICLES**

The following list of articles is divided into separate topic headings to simplify searching through them. The articles offer much detailed information that can help fill out the necessarily brief discussions in the book. They also present the controversies and uncertainties that inevitably attend explorations of new fields. The list is idiosyncratic and reveals my preferences among research groups as well as the limitations in my readings. I hope the variety I present here may help lure my colleagues in the humanities in particular to begin their own explorations.

The subject headings are:

- Areas of the Brain
- Sensory Systems
- Emotion
- Higher Cortical Functions
- Memory
- Synaptic Connections
- Neural Network Modeling
- Infant Development
- Robotics

**AREAS OF THE BRAIN**

*Amygdala (Connectivity)*


*Amygdala (Role in Emotion)*


Bechara, Antoine; Damasio, Hanna; Damasio, Antonio R.; and Lee, Gregory P. “Different Contributions of the Human Amygdala and Ventromedial Prefrontal Cortex to Decision-Making.” *Journal of Neuroscience* 19.13 (July 1, 1999):5473-81.


Amygdala (Role in Conditioning)


Roozendaal, Benno; Nguyen, Bichngoc T.; Power, Ann E. and McGaugh, James L. “Basolateral amygdala noradrenergic influence enables enhancement of memory consolidation induced by hippocampal glucocorticoid receptor activation.” *PNAS* 96 (September 1999):11642-11647.


*Amygdala* (Physiology)


*Anterior Cingulate Cortex*


**Basal Forebrain**


**Midbrain Dopamine Neurons**


**Basal Ganglia and the Nucleus Accumbens (Ventral Striatum)**


**Prefrontal and Frontal Cortex**

Anderson, Steven W.; Bechara, Antoine; Damasio, Hanna; Tranel, Daniel and Damasio, Antonio R. “Impairment of social and moral behavior related to early damage in human prefrontal cortex.” *Nature Neuroscience* 2.11 (November 1999):1032-1037.


Courtney, Susan M.; Petit, Laurent; Haxby, James V. and Ungerleider, Leslie G. “The role of prefrontal cortex in working memory: examining the contents of


Pennartz, C.M.A; McNaughton, B.L.; and Mulder, A.B. “The glutamate hypothesis of reinforcement learning.” *Progress in Brain Research* 126(2000):231-53.


Schultz, Wolfram; Tremblay, Léon; and Hollerman, Jeffrey R. “Reward Processing in Primate Orbitofrontal Cortex and Basal Ganglia.” *Cerebral Cortex* 10(Mar. 2000):272-83.


**Retrosplenial Cortex**


**Rhinal Cortex**


*Thalamus (Also See “Vision LGN”)*


**SENSORY SYSTEMS**

**Auditory System**


**Vision (General)**


**Vision (Retina)**


**Vision (LGN)**


**Vision (V1: Primary Visual Cortex)**


**Vision (Extrastriate Visual Cortex and Higher Cortical Processes)**


Gautier, Isabel; Behrmann, Marlene; and Tarr, Michael J. “Can Face Recognition Really be Dissociated from Object Recognition?” *Journal of Cognitive Neuroscience* 11.4(1999):349-70.


*Vision (Modeling)*


**Vision** (Visual Attention: also see *Emotion and Attention* and *Attention*)


**Other Sensory Modalities**


Denton, Derek; Shade, Robert; Zamarippa, Frank; Egan, Gary; Blair-West, John; McKinley, Michael; Lancaster, Jack and Fox, Peter. “Neuroimaging of genesis and satiation and an interoceptor-driven theory of primary consciousness.” *PNAS* 96 (April 1999):5304-5309.

EMOTION

Emotion (Miscellaneous)


Emotion (Neuroscience)

Adolphs, Ralph; Damasio, Hanna; Tranel, Daniel; Cooper, Greg; and Damasio, Antonio R. “A Role for Somatosensory Cortices in the Visual Recognition of Emotion as Revealed by Three-Dimensional Lesion Mapping.” Journal of Neuroscience 20.7(April 1, 2000):2683-90.


*Emotion and Cognition*


Frijda, Nico H. “The Place of Appraisal in Emotion.” In Frijda, Nico H. (Ed.) *Appraisal and Beyond: The Issue of Cognitive Determinants of Emotion*. A


*Emotional and Attention*


**Higher Cortical Functions**
Attention


Language Processing


**Learning Representations**


**Consciousness**


**Other Higher Cognitive Functions**

Critchley, Hugh; Daly, eileen; Phillips, Mary; Brammer, Michael; Bullmore, Edward; Williams, Steven; Van Amelsvoort, Therese, Rodertson, Dene; david, Anthony, and Murphy, Declan. “Explicit and Implicit Neural mechanisms for Processing of Social Information From Facial Expressions: A Functional Magnetic Resonance Imaging Study.”” *Human Brain Mapping* 9 (2000):93-105.


**MEMORY**

**General**


Fuster, Joaquin M. “Distributed Memory for Both Short and Long Term.” *Neurobiology of Learning and Memory* 70 (1998):268-274.


Hasselmo, Micheal E. and McClelland, James L. “Neural models of memory.” *Current Opinion in Neurobiology* 9 (1999):184-188


**Plasticity and Long Term Potentiation**


Turrigiano, Gina G. “Homeostatic plasticity in neuronal networks: the more things change, the more they stay the same.” Trends in Neuroscience 22.5 (1999):221-227.


Hippocampus

Alyan, Sofyan H.; Jander, Rudolf; and Best, Phillip J. “Hippocampectomized rats can use a constellation of landmarks to recognize a place.” Brain Research 876(2000):225-237.


Shors, Tracey J.; Miesegaes, George; Beylin, Anna; Zhao, Mingrui; Rydel, Tracy; and Gould, Elizabeth. “Neurogenesis in the adult is involved in the formation of trace memories.” *Nature* 410(March 15, 2001):372-76.


Sutherland, Robert J.; Weisend, Michael P.; Mumby, Dave; Astur, Robert S.; Hanlon, Faith M.; Koerner, Amy; Thomas, Michael J.; Wu, Ying; Moses, Sandra M.; Cole, Carrie; Hamilton, Derek A.; and Hoesing, Janice M. “Retrograde Amnesia After Hippocampal Damage: Recent vs. Remote Memories on Two Tasks.” *Hippocampus* 11(2001):27-42.


Sleep and Memory Consolidation


**Episodic and Semantic Memory**

Aggleton, John P. and Brown, Malcolm W. “Episodic memory, amnesia, and the hippocampal-anterior thalamic axis.” *Behavioral and Brain Sciences* 22(1999):425-89. [This includes comments by many of the important researchers in the field.]

Cycowicz, Yael M.; Friedman, David; and Snodgrass, Joan G. “Remembering the Color of an Object: An ERP Investigation of Source Memory.” *Cerebral Cortex* 11(2001):322-34.


Maguire, Eleanor A.; Henson, Richard N.A.; Mummery, Catherine J.; and Frith, Christopher D. “Activity in prefrontal cortex, not hippocampus, varies parametrically with the increasing remoteness of memories.” *Neuroreport* 12.3(March 5, 2001):441-44.


**Infant Memory**


**Synaptic Connections**


**NEURAL NETWORK MODELING**


**INFANT DEVELOPMENT**


Donoghue, Maria J. and Rakic, Pasko. “Molecular Gradients and Compartments in Embryonic Primate Cerebral Cortex.” *Cerebral Cortex* 9.6 (September 1999):586-600.


Stress


Meaney, Michael J.; Diorio, Josie; Francis, Darlene; Widdowson, Judith; LaPlante, Patricia; Caldji, Christian; Sharma, Shakti; Seckl, Jonathan R. and Plotsky, Paul M. “Early Envirnmental Regulation of Forebrain Glucocorticoid Receptor Gene Expression: Implications for Adrenocortical Responses to Stress.” *Developmental Neuroscience* 18 (1996):49-72.

Attachment


Nachmias, Melissa; Gunnar, Megan; Mangelsdorf, Sarah; Hornik Parritz, Robin and Buss, Kristin. “Behavioral Inhibition and Stress Reactivity: The


**ROBOTICS**
