

**CREATIVE PLAY, SOCIAL-POLITICAL FREEDOM AND LIBERTY NOT POSSIBLE
WITH ABNORMAL BRAIN DEVELOPMENT INDUCED BY FAILURE OF AFFECTIONAL
BONDING IN THE MATERNAL INFANT/CHILD RELATIONSHIP**

James W. Prescott, Ph.D.
Institute of Humanistic Science

Depression, stereotypical rocking behaviors and compulsive stimulus-seeking behaviors, all produced by sensory deprivation to the developing brain that is induced by failed maternal-infant/child affectional bonding, robs the developing offspring of the capacity to engage in touching and body movement that is essential for creative/spontaneous play; and to later development of behaviors associated with personal freedom and liberty. **Violence**, particularly child abuse, is another destructive consequence of these early life experiences that prevents the development of creative/spontaneous play, which is the foundation for social-political freedom and liberty.

Figure 1, a photo montage, illustrates the pathological emotional behaviors induced by early deprivation of physical affection. **Figure 2** illustrates the avoidance of physical contact with other animals and humans in mother-deprived monkeys; and positive affectional behaviors in monkeys reared with their mothers. **Table 1** presents how our Two Cultural Brains are formed by **Pain and Pleasure**, which determines the kind of Culture we become.

Additional Commentary **HERE**



Fig. 5. Self-biting and self-mutilation of an adult isolation reared rhesus.



Fig. 6. Motherless mother crushing 20 day old infant to the floor.

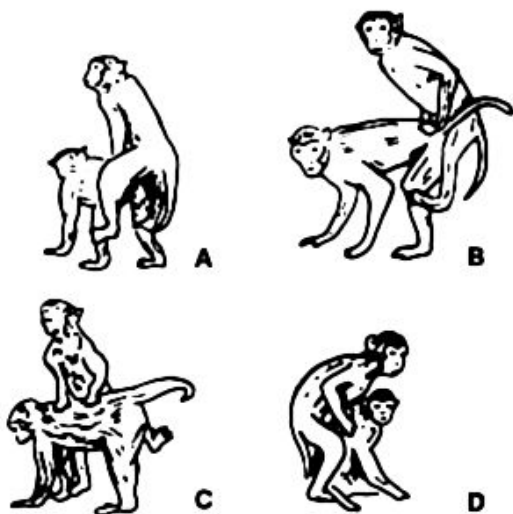


Fig. 7. Normal sexual posturing in the normal male & female rhesus (A, B). Abnormal sexual posturing in the isolation reared male & female rhesus (C, D).



Fig. 8. Physical pain in child abuse: 3 month old child with scaled milk thrown on its face.



Fig. 1. "Swinging" surrogate reared monkey freely interacts with human attendant.



Fig. 2. "Stationary" surrogate reared monkey avoids interacting with human attendant.

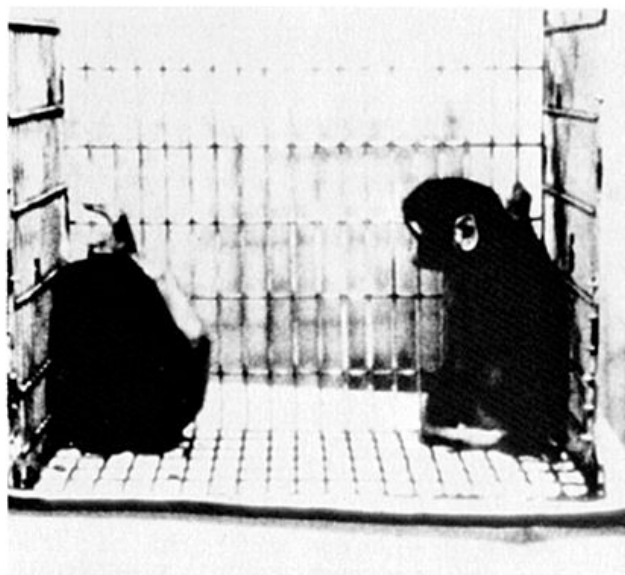


Fig. 3. Two 8 month old isolate reared monkeys who avoid touching and social interaction.



Fig. 4. Two normally reared monkeys touch and cuddle one another.

TABLE 1. TWO CULTURAL BRAINS

LIMBIC-SUBCORTICAL EMOTIONAL BRAIN

		PAIN	PLEASURE
N E O C O R T I C A L	P A I N	Theistic Religions Patrilineal <i>Gender Inequality</i> Sexual Puritanism <i>Addictive Synthetic Drugs</i> <i>Authoritarian Control</i> <i>Pain Is A Moral Good</i> <i>Depression-Violence-War</i> NeuroDissociative Brain Science of Pain-Depression BioMedical Health Model Legislative Gender Inequality Politics of Betrayal	
B R A I N	P L E A S U R E		Earth Religions Matrilineal <i>Gender Equality</i> Sexual Liberty <i>Natural Botanical Drugs</i> <i>Egalitarian Freedom</i> <i>Pleasure Is A Moral Good</i> <i>Joy-Happiness-Peace</i> NeuroIntegrative Brain Science of Pleasure-Happiness BioBehavioral Health Model Legislative Gender Equality Politics of Trust

Prescott, J.W. (2002). Presented at: Society for the Scientific Study of Sex: "Sex and the Brain" Midcontinent & Eastern Regions June 13-16, 2002 Big Rapids, MI and Society For Cross Cultural Research 32nd Annual Meeting Feb 19-23, 2003 Charleston, SC. From: Prescott, 2005., <http://www.violence.de/archive.shtml>

Prescott, J.W. (2005): Prevention Or Therapy And The Politics of Trust: Inspiring a New Human Agenda. *Psychotherapy and Politics International* 3(3): 194-211 John Wiley & Sons, <http://www.interscience.wiley.com> <http://www.violence.de/prescott/politics-trust.pdf>

Heath (1972) documented in psychiatric patients that septal stimulation produced orgasm and relief from depression not previously experienced with other psychiatric treatments and edited **The Role of Pleasure In Behavior**, (1964) a classic textbook in the field. Berman, Berman and Prescott (1974) transformed a pathological violent adult mother deprived monkey into a peaceful animal that could accept touching and hand feeding not possible before paleocerebellar decortication. <http://www.violence.de/tv/Abuse.mpg>

Heath, Llewellyn and Rouchel (1980) documented therapeutic benefits with a cerebellar pacemaker: "Those who are ill because of a preponderance of profound adverse emotion (depression, rage, violent behavior) benefit significantly. The stimulation also works well with the clinical diagnostic entity of depression, including anhedonia." (p.255).

Saltzberg (1977ab) could identify sub-cortical septal spiking events from normal surface scalp EEG recordings, thus identifying the pathological dangerous violent offender from the "normal" violent offender, a diagnostic tool, tragically, not being utilized today. Prescott (1975, 1977, 1980, 2005), in a study of 49 tribal cultures, could predict with 100% accuracy the peaceful or violent nature of these 49 cultures based upon the Pleasure or Pain experienced in early life development: Mother Love and Youth Sexual Affectional Relationships.

An understanding of the limbic-cerebellar-frontal neocortical brain system is essential to understanding the genesis of Violence and Peace that has its Origins in Mother Love or its Loss that leads to the loss of creative/spontaneous PLAY and continued loss of affectional bonding throughout life. **PLAY EQUALS PLEASURE.**

References

Berman, A.J., Berman, D. & Prescott, J.W. (1974). The effect of cerebellar lesions on emotional behavior in the rhesus monkey. In: *The Cerebellum, Epilepsy and Behavior*. (Cooper, I.S., Riklon, M.V. & Snider, R.S. (Eds) Plenum, NY <http://www.violence.de/berman/article.html>

Heath, R.G. (1972). Pleasure and Brain Activity in Man. *J. Nervous and Mental Disease*. 154 (1):3-18. Williams and Wilkens. <http://www.violence.de/heath/jnmd/1972paper.pdf>

Heath, R.G. (1964). *The Role of Pleasure in Behavior* (Ed). Harper and Row. New York.

Heath, R. G. (1975): Maternal-social deprivation and abnormal brain development: Disorders of emotional and social behavior. In *Brain Function and Malnutrition: Neuropsychological Methods of Assessment* (Prescott, J.W., Read, M.S., & Coursin, D.B., Eds). John Wiley New York <http://www.violence.de/heath/bfm/article.html>

Heath, R.G., Llewellyn, R.C., and Rouchell, A.M. (1980). "The Cerebellar Pacemaker for Intractable Behavioral Disorders and Epilepsy: Follow-Up Report" *Biological Psychiatry*, Volume 15, Number 2 (1980), pp.243-256. <http://www.violence.de/heath/bps/Heath1980.pdf>

Prescott, J.W. Body Pleasure and the Origins of Violence. *The Futurist* April 1975. Reprinted: *The Bulletin of The Atomic Scientists* 1975: November.
<http://www.violence.de/prescott/bulletin/article.html>

Prescott, J.W. (1976). *Child Abuse and Violence-Brain Pathology*. W-5, CTV Toronto Canada Film Documentary. <http://www.violence.de/tv/Abuse.mpg>

Prescott, J.W. (1977). Phylogenetic and ontogenetic aspects of human affectional development. In: *Progress In Sexology*. Proceedings of the 1976 International Congress of Sexology. (R. Gemme & C.C. Wheeler, Eds.) Plenum Press, New York.
<http://www.violence.de/archive.shtml>

Saltzberg, B., Lustick, L.S., and Heath, R.G. (1971). Detection of focal depth spiking in the scalp EEG of Monkeys. *Electroencephalography and Clinical Neurophysiology*. 31: 327-333

Saltzberg, B. (1980). Noninvasive detection of deep brain spiking pathology: Implications for evaluating the violent offender. Presented at the *National Academy of Science Meeting of the International Research Society on Violence and Aggression*; & Unpublished manuscript. NICHD Contract PH 43-68-1412
<http://www.violence.de/saltzberg/acemb/article.html>

Saltzberg, B. (1977). The detection of intermittent transient patterns of brain electrical activity of unknown waveshape. *Proceedings of the 30th Annual Conference on Engineering in Medicine and Biology* (November 5-9, 1977), p. 93. Los Angeles.
<http://www.violence.de/saltzberg/acemb/article.html>