

**DEVELOPMENT OF  
VIOLENCE AND  
PLEASURE IN MAN**

**ESALEN INSTITUTE  
BIG SUR, CALIFORNIA**

**U.S. DEPARTMENT OF HEALTH,  
EDUCATION, AND WELFARE  
Public Health Service  
National Institutes of Health**

**OCTOBER 10-12, 1969**

**ON Crime and Punishment**

You cannot separate the just from the unjust  
and the good from the wicked;  
For they stand together before the face of  
the sun even as the black thread and the  
white are woven together.  
And when the black thread breaks, the  
weaver shall look into the whole cloth, and  
he shall examine the loom also.

**THE PROPHET**  
**KAHLIL GIBRAN**

**DEVELOPMENT OF  
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Sponsored By The  
**NATIONAL INSTITUTE OF  
CHILD HEALTH AND  
HUMAN DEVELOPMENT**  
**BETHESDA, MARYLAND**

**SOCIETY FOR RESEARCH IN  
CHILD DEVELOPMENT**

**THE NEUROPSYCHIATRIC INSTITUTE**  
**University of California**  
**Los Angeles, California**

## WORKSHOP OBJECTIVES

### DEVELOPMENT OF VIOLENCE AND PLEASURE IN MAN

Extensive studies on the effects of maternal-social deprivation and early isolation-rearing experiences in mammals has produced a body of evidence that links these early experiences to autistic-depressive, hyper-reactive, and violent-aggressive behaviors in the maturing and adult organism. Recent theoretical developments have interpreted the above relationships as a consequence of sensory deprivation of the somatosensory system during the early formative periods of development and that these experiences result in the abnormal development of specific brain structures.

The objectives of this workshop are to review the existing scientific evidence that relates measures of brain function to the quality of early sensory experiences, specifically, maternal-social deprivation and isolation rearing experiences and to discuss the following points of view:

1. Behavioral pathologies resulting from early maternal-social deprivation experiences are attributable primarily to abnormalities of somatosensory system development and function.
2. The somatosensory system is the most important sensory system for social-affective development with the visual and auditory sensory systems assuming a secondary role. Problems in emotional-affective expression may be attributable to developmental abnormalities of the somatosensory system.
3. Sensory deprivation experiences produce stimulus-seeking behaviors that are related to the sensory system that is deprived. Somatosensory deprivation illustrates the reciprocal relationships between pleasure-seeking and aggressive-seeking behaviors such that functional capacity in one denotes functional incapacity in the other.
4. Somatosensory stimulation may be therapeutically more effective than visual and auditory stimulation in the treatment of emotional-behavioral problems.
5. The somatosensory-cerebellar system is a master integrating and regulating system for sensory-emotional and motor functions.

6. Social-cultural and ethical-religious beliefs and practices determine, in part, the quality of sensory stimulation experienced by the developing child which, in turn, affect the developing brain and behavior.

Participants of the workshop will be drawn from the multidisciplinary sciences of neuropsychology, neuropsychiatry, neurophysiology, psychophysiology, developmental behavioral biology, social anthropology, and psychoanalysis.

JAMES W. PRESCOTT,  
Ph.D., Chairman, National Institute of Child Health and Human Development

WILLIAM H. RICKLES, JR.,  
M.D., Co-Chairman, Neuropsychiatric Institute, University of California, Los Angeles

FRIDAY EVENING—8 P.M.

Behavioral Effects of Early Isolation Rearing  
Experiences

JAMES W. PRESCOTT, *Chairman*

JAMES W. PRESCOTT—*Introduction*

HARRY F. HARLOW —*Respondent*

WILLIAM MASON —*Respondent*

AUSTIN H. RIESEN —*Respondent*

DISCUSSANTS

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VICTOR DENENBERG  
WALTER B. ESSMAN  
MARGARET K. HARLOW  
JOEL N. KAPLAN  
GARY MITCHELL  
LEON S. OTIS  
GENE SACKETT

SATURDAY MORNING—9 A.M.

Electrophysiological Effects of Early  
Isolation Rearing Experiences

WILLIAM H. RICKLES, *Chairman*

ROBERT G. HEATH —*Keynote Address*

LORING CHAPMAN —*Respondent*

LAWRENCE R. PINNEO —*Respondent*

KARL H. PRIBRAM —*Respondent*

DISCUSSANTS

NEIL R. BURCH  
JOE KAMIYA  
MARTIN L. REITE  
GUENTHER ROSE  
BERNARD SALTZBERG

**SATURDAY AFTERNOON—2 P.M.**

**Neurochemical, Neuroendocrine and Neuro-anatomical Effects of Early Isolation Rearing Experiences**

**AUSTIN H. RIESEN, *Chairman***

**WALTER B. ESSMAN —*Keynote Address***

**JOSEPH ALTMAN —*Respondent***

**VICTOR DENENBERG —*Respondent***

**GEORGE A. SANTISTEBAN —*Respondent***

**DISCUSSANTS**

**I. ARTHUR MIRSKY  
AUSTIN H. RIESEN  
MARK ROSENZWEIG**

**SATURDAY EVENING—8 P.M.**

**Somatosensory-Cerebellar Mechanisms as a Regulatory System for Social-Emotional and Motor Processes**

**LAWRENCE R. PINNEO, *Chairman***

**R. S. SNIDER —*Keynote Address***

**JOSEPH ALTMAN —*Respondent***

**GLENN RUSSELL —*Respondent***

**ARTHUR KLING —*Respondent***

**DISCUSSANTS**

**ERNEST S. BARRATT  
ROBERT G. HEATH  
JOHN LILLY  
KARL H. PRIBRAM**

LIST OF PARTICIPANTS

SUNDAY MORNING—9 A.M.

Somatosensory Stimulation in Child Rearing  
Practices: Cultural Anthropological and  
Psychiatric Perspectives  
LEON YARROW, *Chairman*

THOMAS LANDAUER —*Keynote Address*

GEORGE COLLIER —*Respondent*  
EDWARD ORNITZ —*Respondent*  
BRANDT F. STEELE —*Respondent*

DISCUSSANTS

NEIL R. BURCH  
JAMES GROTSSTEIN  
HERBERT C. QUAY  
BERNARD RIMLAND  
LOUIS J. WEST

EPILOGUE: Developmental Psychobiology  
as the Origins of Self-Actualization

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**ON Pleasure**

Some of your youth seek pleasure as if it  
were all, and they are judged and rebuked.  
I would not judge nor rebuke them. I would  
have them seek.

For they shall find pleasure, but not her alone;  
Seven are her sisters, and the least of them  
is more beautiful than pleasure.

***THE PROPHET***  
**KAHLIL GIBRAN**