



**International Conference
on Infant Studies**

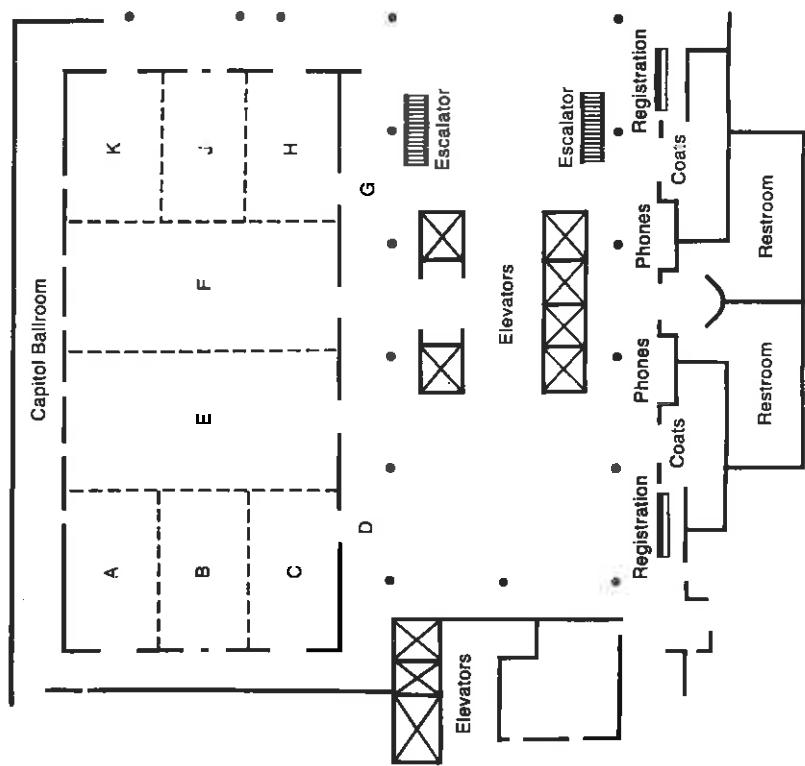
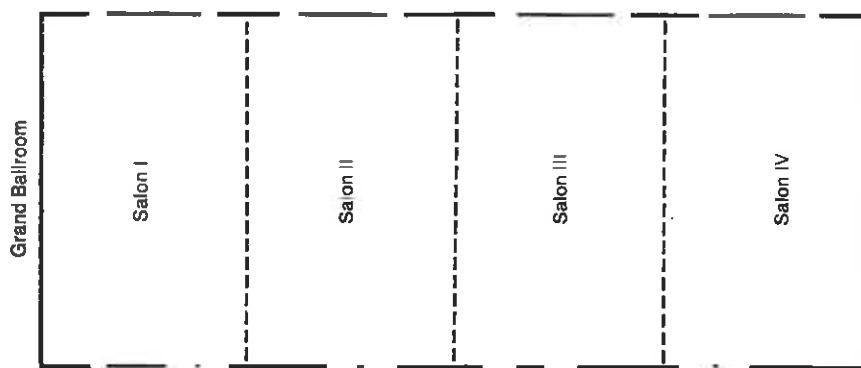
**21-24 April 1988
Washington, D.C.**

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SIXTH BIENNIAL INTERNATIONAL CONFERENCE
ON INFANT STUDIES

April 21-24, 1988
J.W. Marriott Hotel
Washington, D.C.



The goal of the sixth International Conference on Infant Studies, like that of the preceding five conferences, is to provide an interdisciplinary forum in which to present ideas and research as well as an opportunity to interact with other professionals who study or work with infants.

There were over 500 submissions to this year's conference. The percentage accepted by each panel was as follows: Biological (84%); Perception (89%); Socio-emotional (79%); Parent-child and family (83%); Psychopathology (65%); Language (79%); Early environments (85%); High Risk (80%); Cognition (81%). Because of the high submission rate many worthwhile papers were not accepted for this year's conference.

Support for this program was provided, in part, by the Irving B. Harris Foundation and by the Institute for Child Study, University of Maryland. Support for the reception for Drs. Parmelee and Brazelton was provided by Ross Laboratories and Johnson and Johnson Baby Products.

NOTES

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GENERAL INFORMATION

REGISTRATION

Registration will take place in the lobby of the conference floor on Thursday from 8:00 A.M. to 6:00 P.M., Friday, from 8:00 A.M. to 6:00 P.M. and Saturdays from 8:00 A.M. to 12:00 noon.

MEETING ROOMS

The meeting rooms are located on the lowest level of the J.W. Marriott Hotel. Most conference activities will take place on this level. Exhibits will be held in the Commerce Room on the level immediately above the conference floor. Special meetings scheduled for the Treasury Room will also be held on this floor.

All poster sessions will be held in the Capitol Ballroom. Morning poster sessions will be held from 9:00-12:00 and afternoon poster sessions will be held from 2:00-5:00. Posters will be arranged according to the numerical order listed in the program. Participants are expected to be with their posters for at least one hour during the scheduled time period.

CONFERENCE ABSTRACTS/BOOK EXHIBITS

Conference abstracts and book exhibits will be available in the Commerce Room on the level immediately above the conference floor.

GALA DINNER

A gala reception and dinner will be held on Friday, April 22 from 7:00 P.M. to 9:30 P.M. at the National Building Museum (The Pension Building). The museum is one of the newest acquisitions of the Smithsonian and is an imposing and dramatic structure. The Washington Metro (underground/subway) which is clean and safe runs between the hotel (stop: METRO CENTER) to the reception site (stop: JUDICIARY SQUARE). Tickets cost \$22 per person and can be purchased at the Registration desk until Friday noon.

RECEPTION IN HONOR OF DR. T. BERRY BRAZELTON AND ARTHUR H. PARMELEE.

A reception in honor of Drs. T. Berry Brazelton and Arthur H. Parmelee will be held in the Capitol Ballroom on Saturday, April 23 from 6:30 P.M. to 8:30 P.M.

SOCIAL HOUR

A Social Hour will be held on Thursday evening from 8:00 P.M. to 8:00 P.M. Cocktails will be available.

BUSINESS MEETING

The Business Meeting will be held on Sunday, April 24 from 11:00-12:00 in the Grand Ballroom.

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U. of Oregon -----
VA Tech Univ -----
Zeskind, P.S.
Zelazo, P.R.
McGill Univ -----
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Zukow, P.G.
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12:00	GRAND BALLROOM I	GRAND BALLROOM II	GRAND BALLROOM III	GRAND BALLROOM IV	CAPITOL BALLOOM
2:00	Symposium: The nuts and bolts of preventive intervention: attending to the community connection	Symposium: Issues in the study of infant- parent relationships: approaches to understanding their contribution and contributions to infant development	Symposium: State regulation in premature newborns and its significance for social and neurobiological systems	Paper Session: Recent research on handicapped infants	
4:00	Symposium: Evaluating infant prevention programs: individual differences in response to treatment	Symposium: Toddler growth and development in three cultures: ecological and nutritional factors	Paper Session: Recent research on language acquisition	Symposium: Emotional expressions in infants: new perspectives on an old controversy	Poster Session:
6:00	Symposium: Contingency learning and its applications	Symposium: Development and control of infant separation distress	Paper Session: Recent research on socialization and the family	Invited Address: The perception and control of biomechanical motions by the human infant	
			Social Hour		

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SUNDAY		GRAND BALLROOM I	GRAND BALLROOM II	GRAND BALLROOM III	GRAND BALLROOM IV	CAPITOL BALLROOM	Poster Session:
9:30		Symposium: Methodological insights in infant audition	Conversation Hour: Research questions in neonatal ethics	Symposium: Adult perception of infants: current research and theoretical perspectives	Symposium: Ecological constraints on the development of object exploration		
10:30							
11:00							
12:00							

Meeting:
ICIS business meeting

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Roe, K.V.	
Rodning, C.	
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Roberts, D.	
Roch, M.A.	
Rivers, F.A.	
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Ritchie, S.K.	
Rieser-Danner, L.A.	
Ridgeway, D.	
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Ricciuti, H.N.	
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Rach-Lonngman, K.	
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Pisotro, M.	
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Thursday, April 21, 1988

12:00-1:50 **Grand Ballroom I.** **SYMPOSIUM**
THE NUTS AND BOLTS OF PREVENTIVE INTERVENTION: ATTENDING TO THE COMMUNITY CONNECTION
Chair: Victoria S. Levin

Participants:
Martha Farrell Erickson
Douglas M. Teti
Alicia Lieberman
Karlen Lyons-Ruth

12:00-1:50 **Grand Ballroom II.** **SYMPOSIUM**
ISSUES IN THE STUDY OF INFANT-PARENT RELATIONSHIPS: APPROACHES TO UNDERSTANDING THEIR CONSTRUCTION AND CONTRIBUTIONS TO INFANT DEVELOPMENT
Chair: Lisa Bridges

A Conceptual Scheme Of The Antecedents Of A Secure Father-Infant Attachment
Frank A. Pedersen
Attachment To Mother And Father: Correlates Of Quality And Similarity
M. Ann Easterbrooks
Component-Process Analyses Of Infant-Parent Interaction: Comparisons Of Structure And Centrality Of Infant-Parent Relationships
Lisa Bridges, James P. Connell
Factors Influencing The Continuity Of Positive Parent-Infant Mutuality
Christoph M. Heinicke
Discussant
Ross D. Parke

12:00-1:50 **Grand Ballroom III.** **SYMPOSIUM**
STATE REGULATION IN PREMATURE NEWBORNS AND ITS SIGNIFICANCE FOR SOCIAL AND NEUROLOGICAL SYSTEMS
Chair: Barbara Fajardo

Early State Organization And Follow-Up Over One Year
Barbara Fajardo, Margaret M. Browning, David E. Fisher, John B. Paton
Development Of Sleeping And Waking States In Preterms: The Role Of Environmental Context
Diane H. Davis
Sleep-Wake Organization, Environmental Stimulation, And Health Status In Preterm Infants In The Neonatal Intensive Care Unit
James A. Garbanati
Discussants:
Evelyn B. Thoman
Francis D. Horowitz

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Thursday, April 21, 1988

2:00-3:50 Grand Ballroom III. PAPER SESSION

LANGUAGE ACQUISITION
Chair: Helen Tager-Flusberg

- Communicative Processes And Language Development Of A Pair Of Deaf and Hearing Twins
Rosslyn Gaines, Bonnie Halpern
- The Acquisition Of Vowels: A Case Study
Barbara L. Davis, Peter F. MacNeilage
- Mechanisms Underlying The Development Of Early Vocalization
Kathleen Bloom
- Socializing Attention: The Perceptual Bases Of Language Socialization
Patricia Goldring Zukow, Chris Schmidt

2:00-3:50 Grand Ballroom IV. SYMPOSIUM

**EMOTIONAL EXPRESSIONS IN INFANTS:
NEW PERSPECTIVES ON AN OLD CONTROVERSY**
Chair: Harriet Oster

- The Differentiation Of Negative Affect Expressions In Infants
Harriet Oster, Douglas Hegley
- Darwin Revisited: An Infant's First Emotional Facial Expressions
Linda A. Camras
- Development Of Emotional Expression In Rhesus Monkey Infants
Stephen Suomi
- Infant Cries As Graded or Discrete Socioemotional Signals
Ross A. Thompson, Daniel W. Leger, Jacqueline A. Walker, Calvin P. Garbin

4:00-5:50 Grand Ballroom I. SYMPOSIUM

THEORY TO PRACTICE: CONTINGENCY LEARNING AND ITS APPLICATIONS
Chair: Michael Lewis

- Models For The Clinical Interpretation Of Individual Subject Learning Data
Richard Brinker, Sarah Ryan
- Controlling Environmental Contingencies By Means Of Myoelectric Signals
Paul M. McDonnell
- Contingency Intervention: A Home-Based Program For Developmentally Delayed Infants
Margaret W. Sullivan
- Learning And Memory In Downs Syndrome Infants
Phyllis S. Ohr, Jeffrey W. Fagen
- Second-Order Contingency Perception
John S. Watson

4:00-5:50	Grand Ballroom II.	SYMPOSIUM	DEVELOPMENT AND CONTROL OF INFANT SEPARATION DISTRESS
			Charles Jacob L. Gewirtz
			Nathan A. Fox
			Individual Differences in Separation Distress
			Mary K. Rothbart, Hasan Zlatev
			Infant Behaviors That May Moderate Distress
			Ross A. Thompson, James P. Connell
			Emotional Regulation And Attachment System Functioning
			Charles Michael Lamb
4:00-5:50	Grand Ballroom III.	PAPER SESSION	SOCIALIZATION AND THE FAMILY
			Rebecca S. New, Linda Stone Fish
			Fathers Of Minors In Dual-Dweller Households
			F.A. Goossens, H. Meets, A.J. Pomp, T. Oosterwijk, J. Reitsma
			Steps Towards An Ecologically Valid Assessment Of Quality Of The Day Care Center
			E.F. Strayer, F. Legault
			"Affectionate Attunement And Intersubjectivity" In Cross Cultural Perspective: Some
			Methodological Issues
			Daniel G. Freedman, Suzanne Cox, Logan Berg
4:00-5:50	Grand Ballroom IV.	INVITED ADDRESS	THE PERCEPTION AND CONTROL OF BIOMECHANICAL MOTIONS BY THE HUMAN
			INFANT.
			Preseneger, Bennett L. Berenthal
			Charles Marshall M. Haith
		RECEPTION	No Host Cocktail Party
6:00-8:00	Capitol Ballroom		
			6:00-8:00

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Thursday, April 21, 1988

- A01) Influence In Mother-Infant vs. Stranger-Infant Vocal Dialogue: Cross-Site Replication. Beatrice Beebe, Joseph Jaffe, Cynthia L. Crown, Michael D. Jasnow, Stanley Feldstein, Sharon Gordon.

A02) The Temporal Coordination Of Neonatal Gaze With Adult Vocal Behavior. Cynthia L. Crown, Stanley Feldstein, Michael D. Jasnow, Beatrice Beebe, Joseph Jaffe, Idalee Wagman.

A03) Infant-Caregiver Vocal Pitch Adjustments: A Longitudinal Case Study. Catherine T. Best, Gerald W. McRoberts.

A04) Relationships Between Infant Smiles And Infant Vocalizations In Normal Mother-Infant Interaction. Richard Ewy.

A05) Infants' Interactions Within The Family Triad. Jan C. Kruper

A06) Joint Referencing And Mother-Infant Interaction. Haydee Marcos.

A07) Mothers' And Infants' Behavior Prior To Separation And Infants' Subsequent Encounters With New Acquaintances. Alison Nash.

A08) The Role Of Touch In Social Interaction Between Mothers And Their 3 to 6 Month Old Infants. Dale M. Stack, Darwin W. Muir.

A09) Setting And State Effects On Mother-Infant Interaction. Ronald Seifer, Arnold J. Sameroff.

A10) Maternal Teaching Strategies: Attitudes And Behaviors. Marc H. Bornstein, Lisa Berlin, Chiara Nuzzo, Emily Fields.

A11) The Contingency Environment In Early Mother-Infant Interactions. Doug Symons, Greg Moran.

A12) The IMCE: An Attempt At The Measurement Of Mutual Contingency Experience. Vivian M. Umbel, Lawrence LaVoie.

A13) Organization Of Interaction Between Mothers And Infants During Feeding. Ora Aviezer.

VISUAL ATTENTION AND HABITUATION

- A14) Relative Habituation And Recovery Of Attention To Visual Stimuli For Low, Moderate, And High-Risk Neonates. Michael J. Weiss, David Laplante.
 - A15) Visual Fixation In The ERP-Oddball And Habituation-Novelty Test Tasks In Infants 1-, 3-, 6-, 12-, And 18 Months Of Age. Patrick K. Ackles, Rathe Karrer, Diane Barg, Perri Haughwout, Katie Cook.
 - A16) Habituation Of Visual Attention During Social Interaction. Jeffrey T. Coldren.
 - A17) Stimulus vs. Position Cue Learning And Retention By Infants. John Colombo, D. Wayne Mitchell, Jeffrey T. Coldren.
 - A18) Processing Of High And Low Saliency Stimulus Features By Three-Month-Old Infants. D. Wayne Mitchell, Frances Degen Horowitz.
 - A19) Stability Of Visual Expectations Of 3 Month-Old Infants. Michael E. McCarty, Marshall M. Haith, Nancy S. Robinson.
 - A20) Measures Of Infant Habituation At Five Months As Predictors Of Language Proficiency At Twenty-Four Months. Sharon J. Krinsky.

TRANSITIONS TO THE SECOND YEAR OF LIFE

- | TIONS TO THE SECOND YEAR OF LIFE | |
|----------------------------------|--|
| A21) | James vs. Phases: A Master Of Preference. E. Eugenie Hartmann. |
| A22) | "Infrants" Cortical Responses To Missing Stimuli: Can Missing Stimuli Be Novel Stimuli?" Charles A. Nelson, Ann E. Ellis, Sarah F. Lang, Paul Collins. |
| A23) | Infrant Habituation And Maternal Stimulation In Relation To Symbolic Representation At 13 Months. Catherine Tamis-LeMonda. |
| A24) | Development And Stability In Visual Information Processing In Infants. John E. Richards, Betty Jo Casey. |
| A25) | HR-Delayed Phases Of Visual Information Processing In Infants. John E. Richards, Roger LeCuyer. |
| A26) | Stability Of Individual Habituation Patterns. In infancy. Marie-Germaine Pechoux, Roger LeCuyer. |
| A27) | The Value Of Early Habituation In Infants With Down Syndrome. E. Fok, M. Balazs, F. Katoch. |
| A28) | The Asymmetry Of Aggressive Relations And The Emergence Of Linear Dominance Hierarchies In Toddler Play Groups. F.F. Strayer, D. Leclerc. |
| A29) | Maternal Interactions In Toddler Peer Conflict Goals And Strategies. Susan Lollis, Hildy Ross, Ellyn Tafe. |
| A30) | The "Economic" Behavior Of Infants And Toddlers. Saul Feinman. |
| A31) | Imitation And The Generation Of Games Between Toddlers. Carol O. Eckerman. |
| A32) | Peer Interaction And Self-Other Differentiation During The Second Year. Celia A. Brownell, Michael S. Carriger. |
| A33) | Wardness And Toddler-Mother Interaction. Donald Ayth, Joseph Jacobson, Diane Willie. |
| A34) | Effects Of "Developmentally Delayed" Label On Adults' Perceptions Of Toddlers. Diana Ann Vogel, Katherine Karaker. |
| A35) | Development Of Cognitive Abilities In Limb-Deficient Infants. P.M. McDowell, L.A. McKay, D.L. Wilson. |
| A36) | Person-Object Distinctions And Communication In Down Syndrome Infants. Mara Legester, Thomas Bowman. |
| A37) | Affective And Cognitive Patterns Transcending Risk. Elizabeth J. Hrmic, Patricia Blasco. |
| A38) | Sleep Patterns Of Handicapped Infants: Relationships With Maternal Responsivity, Stress And Coping. Patricia T. Becker, Shinya Kamematsu, Kay F. Engelhardt. |
| A39) | The Effects Of Vestibular Stimulation On Visual Attention And Stereotypic Behavior In Children With Developmental Disorders. Joan E. Beard. |

Denham, S.
 deSaint Victor, C.M.
 Diamond, A.
 DiBiase, R.
 DiBiasio, C.M.
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 DiGregorio, G.
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Thursday, April 21, 1988

EMOTION: FACIAL EXPRESSION, MOOD AND SOCIAL BEHAVIOR

- A40) Behavioral And Physiological Response Of Infants To Inoculation. David A. Thomas.
- A41) Language And Affect: Competition On The Face. Judy Reilly, Ursula Bellugi.
- A42) The Early Development Of Prosocial Behavior. Carolyn Zahn-Waxler, Marian Radke-Yarrow, Elizabeth Wagner, Claudia Pyle.
- A43) Maternal Correlates Of Children's Communication About Emotions. Barbara Usher, Doreen Ridgeway, Karen Barrett, Kathy Nitz, Elizabeth Wagner.
- A44) Affective Aspects Of Cognitive Competence: Contributors To Individual Differences In The Second Year. Ellen W. Wilfong.
- A45) The Development Of Coping Behavior From Three To Six Months Of Age. Sueko Toda, Alan Fogel.
- A46) Negative Expressivity In Five-Month-Old Infants. Cynthia A. Stifter.
- A47) Manipulating Infant Affect Through The Manipulation Of Orientation And Mode Of Transmission Of Interactive Facial Presentations. Katharina Rach-Longman.
- A48) Convergent And Discriminant Validity Of The MAX And Monadic Phases Coding Systems. Reinaldo Matias Jr., Jeffrey F. Cohn, Shelley Ross.
- A49) Generalized Discrimination Of Positive And Negative Expressions. Pamela M. Ludemann, Charles A. Nelson.
- A50) Nonverbal Communication And Attention In Down Syndrome Infants. Connie Kasari, Peter Mundy, Nurit Yirmiya.
- A51) Smile Production In 18-Month-Olds: The Role Of The Social Object. Susan Scanlon Jones, Tarja Raag.
- A52) Infants' Recognition Of Emotion Information In Music. Ruth B. Goldston, Arlene S. Walker-Andrews.
- A53) The Relationship Between Facial Affect Expressiveness And Language Ability In Children Born Preterm And "At-Risk". Karen L. Eppert.
- A54) Regulation Of Social Behavior In 15-Month-Old Infants Following Sad, Anger, And Interest Expressions By An Adult. Richard D. Bingham, Robert N. Emde, Rivka Landau, Perry M. Butterfield.
- A55) Determinants Of Responsiveness To Infant Vocal Expression Of Emotional State. Mechthild Papousek.
- A56) Assessing Pain In Newborn Infants. Gunnel Elander, Kerstin Eriksson.

8:00-9:00 A.M. Grand Ballroom III. MEETING

9:00-10:30 Grand Ballroom I. PAPER SESSION

PERCEPTUAL AND COGNITIVE DEVELOPMENT

Charles Marc H. Borstein

Giving Somewhere: Development Of Mobility In Infants

Eleanor Gibson, Mark Schmuckler

Early Development Of The Object Concept

Janet Macomber, Elizabeth Spelke, Frank Keil

Theimitative Environment Of The Infant

Tamara S. Sullivan, Patricia A. Seff

Interval Sampling: A Methodological Critique

Janeet Mann, T. T. Howe, James W. Plunkett, Samuel J. Meisels

SENSORY DOMINANCE IN EARLY DEVELOPMENT

Charles David J. Lewkowicz

The Contribution Of Auditory And Visual Components To The Discrimination Of

Affective Expressions

Albiner Caron

Auditory And Visual Basis Of Maternal Attachment In Early Infancy

David J. Lewkowicz

Sensory Dominance In Infants' Response To Competing Auditory And Visual

Information

CHARACTERISTICS BLOCK

Early Manual Coordination And Anticipation

Charles van Hofsten

Handinhibition And Visual Anticipation

Grasping Behavior In Infants: How Posture Control And Practice Effect Manipulation

GRASPING BEHAVIOR IN INFANTS: HOW POSTURE CONTROL AND PRACTICE EFFECT MANIPULATION

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Bennett, P.J.	U. of California	22
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Berg, L.	Hebrew Univ	4
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Friday, April 22, 1988

9:30-10:50 A.M. Grand Ballroom III & IV INVITED ADDRESS
ATTACHMENT: INFANT STRANGE SITUATION BEHAVIOR AND ITS RELATIONSHIP TO PARENTAL STATES OF MIND

Presenter: Mary Main
Chair: Dante Cicchetti

10:00-11:00 Treasury Room CONVERSATION HOUR
FEDERAL SOURCES OF RESEARCH SUPPORT
Chair: Anita Miller Sostek

Participants:
Terry Levitin
Sarah L. Friedman
Jean Intermaggio
Jane Steinberg

11:00-12:50 Grand Ballroom I. PAPER SESSION
FACTORS IN THE DEVELOPMENT OF COMPETENCE
Chair: Rose Caron

- A Reconceptualization Of Prediction From Infant Test Scores
Linda S. Siegel
- Perception Of Kinetic Subjective Contours At 5 And 8 Months
Ruth Kaufmann-Hayoz, Franz Kaufmann, Daniel Walther
- Mother, Infants, And The Development Of Cognitive Competence
Marc H. Bornstein
- Cognitive Aspects Of Exploration
Axel Scholmerich

Sunday, April 24, 1988

Friday, April 22, 1988

11:00-12:00	Grand Ballrooms I and II ICIS BUSINESS MEETING	MEETING	9:00-12:00	Capitol Ballroom	POSTER SESSION
			VISUAL PERCEPTION		
			B01) Evidence For Schematic Representation In 5-Month-Old Infants. P. Hull Smith, C.M. deSaint Victor, Denise M. Arehart. B02) The Detection Of Slow Stimulus Movement In 5-Month-Olds. James L. Dannemiller, Robert L. Freedland. B03) Perception Of Angular Relations In Six-Week-Old Infants. Ann E. Ellis. B04) Perception Of Subjective Contours By 3 And 4-Month-Old Infants. Hei-Rhee Ghim, Peter D. Elmas. B05) Infants' Sensitivity To Pictorial Depth Cues. Carl E. Granrud. B06) Development Of Local And Global Pattern Analysis. Kathleen A. Kleiner, Martin S. Banks. B07) Infants' Detection Of Motion In Random-Dot Kinematograms. Steven J. Kramer. B08) Visual Representations Of Rotated Objects In 4-Month-Olds. Ann M. Skoczenski. B09) Infant Perception Of Expansion In Displays Of Structure-From-Motion Romy V. Spitz, Joan Stiles-Davis, Ralph M. Siegel. B10) The Effects Of Self-Produced Locomotion On Depth Perception In Infants. David G. Thomas, C. Donel Crow. B11) Infants' Sensitivity To Kinetic Information For Figure And Ground. Albert Yonas, Lincoln G. Craton, Catherine Nussle. B12) Self-Produced Locomotion Does Not Predict The Onset Of Pictorial Depth Sensitivity. Martha Arterberry, Albert Yonas, Ann Sorknes. B13) Spatial Inference In Infants. J.C. Lepecq, M. Lafaitte.		

NEONATAL AND INFANT STATE	
B19) Longerterm Memory For Infant Experience: Once Is Enough. Eve E. Perri, Nancy A. Myers, Rachael K. Clifton.	F33) Neonatal State Preferences: Reliability And Short-Term Predictiveness. John Colombo. Madelyn Moss, Frances Degen Horowitz.
B20) Imitation Of Televised Models By Infants. Andrew N. Meltzoff.	F34) Maternal Influences On Infant Hand-Use During Play. Debra A. Harkins, George F. Michel.
B21) A Longitudinal Study Of Banging. Jeffrey J. Lockman, Mimi H. Wright.	F35) Sex Differences In Neonatal State And Head Orientation Preference. Debra A. Harkins, Amy L. Meserve, George F. Michel.
B22) Play In Developmental Evaluation. Elizabeth L. Leonard.	F36) Sleep Patterns Of Preterm And Fullterm Infants From Home Monitoring. Mary K. Pusely, Christine Accola.
B23) A Longitudinal Evaluation Of The Effects Of Supplementary Stimulation On Development. Rachael Rovine-Collier.	F37) Effects Of Intrauterine Growth Retardation (IUGR) On Infant Long-Term Behavior. Emily Burrows, T. Berry Brazertion.
B24) The Effect Of Repeated Reactivations On Infant Long-Term Memory. Carolyn Greene, Carolyn Rovine-Collier.	F38) Organization Of Daytime States Over The First Six Months: N = 1 + 1.
B25) Memory And Infant Forgetfulness. Jeffrey W. Fagen, Phyllis S. Ohr, Jayne M. Singer, Lori K. Feekensmith.	F39) Preterm Infant Heart Rate In Twelve Behavioral States. Gene C. Anderson, Jane B. McNeely, Nancy E. Gill.
B26) Time And Age At Event Recall. Robyn Fivush, Nina R. Hamond.	F40) Determining Optimal Behavioral States For Feeding Infants. Marjou Behnke, Nancy Gill, Michael Conlon, Gene C. Anderson.
B27) Crying And Infant Forgetfulness. Jeffrey W. Fagen, Phyllis S. Ohr, Jayne M. Singer, Judy S. Delache.	F41) Soothing Patterns-Elicited Distress With Swaddling And Pacifiers In Early Infancy. Rosemary G. Campops.
B28) A Longitudinal Study Of Young Children's Understanding Of Scale Models. Judy S. Delache.	F42) The Development Of Referential Gestural Communication. Rosanne Kermodean.
B29) Counting Skills In Early Infancy. Richard L. Canfield.	F43) Developmental Trends For A Computerized System For Observing The Feeding Interaction And Sleep Of Newborn Infants. Betty-Jean Annaabecker, Gunnell Elander.
B30) The Role Of Contrasts In Basic-And Superordinate Level-Categorization Of Natural Objects. Patricia Bauer, Laraine McDonough, Jean Mandel.	F44) Developmental Trends In Infants' Coordination Of Cry Sounds With Visual Regard And Gestures. Gwen E. Gustafson.
B31) Developmental Changes In Infants' Problem Solving Tactics During The Second Year Of Life. E.S. Moss, C. Dumars.	F45) Infant Gesture Use In The First Three Months. Randell D. Allen, Patricia A. Self, M. Shahrak Sharafe, Cynthia A. Noble.
B32) Communalistic Interactions Between Infants And Adults In Day Care And At Home: A Comparison Of Sweden And The United States. Joan Test And Linda Day Care: Effects Of Different Settings On Social Competence.	F46) Motor And Cognitive Functions Of The Hand In 6-Month-Old Infants. Arlette Stret, Arlette Pineau.
B33) Swedish Day Care: Effects Of Different Settings On Social Competence. Test.	F47) Manual, Arm, And Facial Actions In Human Infants. K. Kleinapple, Maria Krupper, Susan Broome.
B34) Parental Terms Of Verbal And Nonverbal Interactions Between Parents And Their Preschool Children. Steven M. Alessandri.	F48) Developmental Trends In The Nature Of Child Homicide. Susan E. Craig.
B35) How Mothers Help Their Toddlers Classify. Ida C. Uzgiris, Jan C. Kroppen, Diana Anderson-Gootz, Jeanne M. Johnson.	F49) Childhood History And Current Psychological Functioning Of Mothers And Infants With Nonorganic Failure To Thrive. Myra Letter, Jane Gorman, Gall Grossman, Anna Young Simpson.
B36) Mother-Infant Interaction: Effects Of Task And Context. Marion O'Brien, Diana Anderson-Gootz, Jeanne M. Johnson.	F50) Affectionate Exchanges Between Children And Their Mothers.
MATERIAL TEACHING STRATEGIES	
B51) The Family Scapegoat A Valid Concept? Michelle Jean-Gilles, Patricia M. Crittenden.	F51) Coming To Terms With The Terms Of Psychology. John Richter.
B52) Synchrony In Abusing And Nonabusing Mother-Child Dyads. Laura McCloskey, Diane Cicchetti.	F52) Synchrony In Abusing And Nonabusing Mother-Child Dyads. Laura McCloskey, Diane Cicchetti.
B53) Childhood History And Current Psychological Functioning Of Mothers And Infants With Nonorganic Failure To Thrive. Myra Letter, Jane Gorman, Gall Grossman, Anna Young Simpson.	F53) Coming To Terms With The Terms Of Psychology. John Richter.

TEMPERAMENT II: MATERNAL PERCEPTION

- F17) Maternal Perception Of Infant Temperament, Mother-Infant Behavior Characteristics, And Their Contribution To Duration Of Breastfeeding In An Educated Urban Setting. Trish Vandiver.
- F18) Correlations Of Temperament From Infancy Through Eight Years. Diana Guerin, Allen W. Gottfried.
- F19) Parents' Affective Reactions To Their Young Children's Easy/Difficult Behavior. Nancy C. Hubert.
- F20) Stability Of Parents' Perceptions Of Infant Temperament From 3 Months Of Pregnancy To 13 Months Postpartum. Carolyn J. Mebert.
- F21) Predictive Validity Of Maternal Reports Of Infant Behavior. Michelle M. Nezerka, Sarah Mangelsdorf.
- F22) Laboratory And Maternal Report Measures Of Temperament And Their Relationship To Heart Period Variability. D. Barbara Sutton, Martha Ann Bell, Anne Luebering, Nancy Aaron.
- F23) Fathers' And Mothers' Perception Of Neonatal Temperament: Adoption, Social Class, And Early Intervention In Israel. Charles W. Greenbaum, Judith G. Auerbach.

MOTOR BEHAVIOR AND DEVELOPMENT

- F24) Specificity Of Practice On Elementary Neuromotor Patterns. Nancy A. Zelazo, Kenneth Cohen, Philip R. Zelazo.
- F25) Newborn Stepping: Leg Strength And Practice Effects. Donna F. Thompson, Mary E. Patti, Dawn M. Pillitteri, Elizabeth L. Peltz.
- F26) The Neural Substrate Of Cyclic Motor Activity. Steven S. Robertson, William P. Smotherman, Scott R. Robinson.
- F27) Fetal Movement And Heart Rate Responses To Airborne Sound As A Function Of Stimulus Intensity. B. S. Kisilevsky, Darwin W. Muir, J. A. Low, E. J. Karchmar.
- F28) Shake, Rattle, And Roll: Non-Linear Oscillation Of The Arms During Infancy. Eugene C. Goldfield.
- F29) A Comparison Of Three Tests Of Stereopsis In Children Ages One To Three. Elise Ciner, Eileen Schanell-Klitsch, Ruth M. Schneider.
- F30) Style And Structure In Mother-Child Conversations About The Past. Robyn Fivush, Fayne A. Fromhoff.
- F30) Activity Level From Womb To Bassinet. Warren O. Eaton, Nancy A. McKeen.
- F31) Early Coordination And Anticipation Effects Of Training In Automatic Walking On Posture And Movement Organizations. S. Maciaszczyk, Henlette Bloch.
- F32) Cryptic Development Of Locomotor Coordination: Treadmill Stepping In The First Year. Esther Thelen, Beverly D. Ulrich.

- ✓ B37) Parents' Games With Infants From Eight-To-20-Months. Laura Beizer Seidner.
- B38) Adolescent And Adult Single Mothers' Teaching Interactions With Their Infants. Emily J. Johnson.
- ✓ B39) Two-Year-Olds' Autobiographic Memory In Mother-Child Conversations. Judith A. Hudson, Francesca Sidoti.
- B40) Gender Differences In Mothers' Strategies For Helping Toddlers Solve Problems. Kim M. Hron-Stewart.
- B41) Come Play With Me: A Longitudinal Study Of Mother-Toddler Interaction And Symbolic Play. Barbara H. Fiese.
- B42) Enhancing Parent-Child Verbal Interaction During Picture-Book Reading: Evaluation Of A Home Read-Aloud Package. Barbara D. DeBaryshe.
- B43) What Do Parents Talk About To Infants? Marie-Germaine Pecheux, Florence Alber, Marc Pistorio.
- B44) Sequential Analysis Of Mother-Child Interactions During Reading An Alphabet Book. Adriana G. Bus, Marinus H. van IJzendoorn.
- B45) Adult Contribution To Compliance. Sandra R. Kaler, Claire B. Kopp
- B46) Path Model Of Multidimensional Parent Effects On Infant Health. Barbara J. Tinsley, David R. Holtgrave, R. Peter Johnson.
- B47) Psychosocial And Infant Behavioral Contributions To Mothers' Reports Of Depression. Karen E. Norberg, Sally A. Mack, Deborah L. Beck, Kathleen A. Flannery, J. Kevin Nugent.
- B48) The Development Of The Mother's Conceptions Of The Child Before Birth. Gabriele Gloger-Tippelt
- B49) Parturient Women Show Impaired Cognitive Skills. Marsha Kaitz, Anne-Marie Rokem, Nadia Hoffman, Arthur Eidelman
- B50) Interfering Behaviors In The Second Year Of Life: Criteria Of Evolving Socialization? Helene Leveau, Jacqueline Nadel.
- ✓ B51) The Early Coping Inventory For Children 4-36 Months: Validity And Reliability Studies. Shirley Zeitlin, G. Gordon Williamson.
- B52) Infant Assessment: Eye Of The Beholder Or Behavioral Reality? Linda Tollefson-Anderson, Douglas B. Sawin
- B53) Use Of A Scatter Index In Scoring Bayley MDI Performance. Joanne Bregman, Deborah L. Holmes, Jill N. Reich.

AGE OF ENTRY/QUALITY OF CARE: RISK FACTORS FOR INFANT DAY CARE?			
2:00-3:50	Grand Ballroom I.	Capitol Ballroom	POSTER SESSION
Variables Influencing Child Directed Speech in Bilingual Families.	LANGUAGE SYMPOSIUM	9:00-12:00	2:00-3:50
Naomi S. Goodz.	F01)		EARLY SOCIAL RELATIONSHIPS
Observational Techniques For The Study Of Environmental Interaction And Inflant State. Jason MacKell, Catherine Magnan, Gerald Turkowitz David A. Grasso	F02)		Impact Of A New Baby Upon Family Routines And Related Coping Strategies Of Multiparous In Early Postpartum
Cognitive And Social Predictors Of Early Language. Marlon O'Brien. Carollee J. Rodning	F03)		Impact Of A New Baby Upon Family Routines And Related Coping Strategies Of Multiparous In Early Postpartum
Outcome Of Early Specific Expressive Language Delay (SEL). Leslie Rescorla, Ellen Schwartz.	F04)		Associations Among Internal Working Models Of Parental Relationships, Sense Of Self, And Internal Working Models Of One's Child
Cognitive And Social Influences For The Study Of Environmental Interaction And Inflant State. Jason MacKell, Catherine Magnan, Gerald Turkowitz David A. Grasso	F05)		Zeynep Birngen
Kindergarten Variables	F06)		Mitch And Match In Early Family Socialization Patterns And The Development Of Cognitve Skills: A Seven Year Longitudinal Study
Vocal Motor Schemas: Early Phonetic Preferences And Lexical Development. Loraine McCloskey, Laura McCloskey, Marjorie Wypych	F07)		Kurt Krapfner
The Effects Of Maternal Discourtesy On Children's Language Development. Lorraine McCloskey, Marjorie Wypych	F08)		A Four-Year-Old's Interaction With A New Sibling
Early Lexical Acquisition Rate, Connett, J. Steven Renick, T. Bradford Johns, Beverly A. Goldfield, J. Steven Renick, T. Bradford Johns.	F09)		Morton J. Mendelson
Auditory Event Fidelity: Indices Of Regional Cortical Maturation And Early Grammatical Naming. Cecile Freley, Betsy Lazoroff, Abraham Wolff, Children And Mothers. Beverly A. Goldfield.	F10)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F11)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay, Elizabeth D. Gibbs.	F12)		
Maternal Visions In Normal Infants: Comparison To Animal Studies Peripheral Vision In Normal Infants	F13)		
Learning, Jan V. Goodstt, James L. Morgan.	F14)		Beyond Isolated Sylable Discrimination: Some Effects Of Context And Learning
From Other-To Self-Regulation: Preverbal Precursors Of Private Speech. Laura Beizer Seidner.	F15)		From Other-To Self-Regulation: Preverbal Precursors Of Private Speech
Inflants, Comprehension Of Word Combinations. Kathy Hirsh-Pasek, Roberta Golinkoff.	F16)		The Acquisition Of Grammar. Kathy Hirsh-Pasek, Roberta Golinkoff.
Chair: Nicholas Anastasiou			
2:00-3:50			
Grand Ballroom III.			
PAPER SESSION			
The Development Of Grating Acuity And Hyperacuity In Human Infants	F17)		
Terr L. Lewis, Daphne Maurer	F18)		
Marsha G. Clarkson, Rachel K. Clinton	F19)		
Imitative Localization Of Brief Sounds By Newborns	F20)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F21)		
Elizabethtown, Pa.	F22)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F23)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F24)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F25)		
Elizabethtown, Pa.	F26)		
Early Grammatical Naming. Cecile Freley, Betsy Lazoroff, Abraham Wolff, Children And Mothers. Beverly A. Goldfield.	F27)		
Auditory Event Fidelity: Indices Of Regional Cortical Maturation And Early Grammatical Naming. Cecile Freley, Betsy Lazoroff, Abraham Wolff, Children And Mothers. Beverly A. Goldfield.	F28)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F29)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F30)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F31)		
Elizabethtown, Pa.	F32)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F33)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F34)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F35)		
Elizabethtown, Pa.	F36)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F37)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F38)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F39)		
Elizabethtown, Pa.	F40)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F41)		
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Elizabethtown, Pa.	F48)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F49)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F50)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F51)		
Elizabethtown, Pa.	F52)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F53)		
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Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F55)		
Elizabethtown, Pa.	F56)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F57)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F58)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F59)		
Elizabethtown, Pa.	F60)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F61)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F62)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F63)		
Elizabethtown, Pa.	F64)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F65)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F66)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F67)		
Elizabethtown, Pa.	F68)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F69)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F70)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F71)		
Elizabethtown, Pa.	F72)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F73)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F74)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F75)		
Elizabethtown, Pa.	F76)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F77)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F78)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F79)		
Elizabethtown, Pa.	F80)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F81)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F82)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F83)		
Elizabethtown, Pa.	F84)		
One-Month-Olds Prefer "Motherese". Robin P. Cooper.	F85)		
Dysfunction, Diane Kurtzberg, Charles L. Stone, Jr., Herbert G. Vaughan, Jr.	F86)		
Parental Use Of Directives And Inflant Linguistic And Cognitive Development. Lynne A. Bond, Richard T. Clarke, Paula Mackay,	F87)		
Elizabethtown, Pa.	F88)		
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Sunday, April 24, 1988

Friday, April 22, 1988

9:00-10:50	Grand Ballroom I.	SYMPOSIUM	2:00-3:50	Grand Ballroom IV.	INVITED SYMPOSIUM
	METHODOLOGICAL INSIGHTS IN INFANT AUDITION			NEURODEVELOPMENTAL ASPECTS OF PEDIATRIC AIDS	
	Chair: Sandra E. Trehub			Chair: Joan Hittleman	
	Localization vs. Detection Methods Leigh A. Thorpe			HIV Infection In Children Hermann Mendez	
	Observer-Based Psychophysical Procedures Bruce A. Schneider, Peter Judge			Neurodevelopmental Status of HIV Infected Children Joan Hittleman	
	Musical Pattern Perceptions Sandra E. Trehub			Central Nervous System Involvement In Infants And Children With Symptomatic HIV Infection Anita Belman	
9:00-10:50	Grand Ballroom II.	CONVERSATION HOUR		Brain Pathology In HIV Infected Children Leroy Sharer, Leon Epstein	
	RESEARCH QUESTIONS IN NEONATAL ETHICS			Discussant Anne Willoughby	
	Chair: Lawrence B. McCullough				
	Participants: K. N. Siva Subramanian Jonathan Moreno				
9:00-10:50	Grand Ballroom III.	SYMPOSIUM	4:00-5:50	Grand Ballroom I.	SYMPOSIUM
	ADULT PERCEPTION OF INFANTS: CURRENT RESEARCH AND THEORETICAL PERSPECTIVES			INFANT DAYCARE: A CROSS-CULTURAL PERSPECTIVE	
	Chair: Katherine Hildebrandt Karraker			Chair: E. Kuno Beller	
	Prematurity Stereotyping: Influences On Adult Perceptions Of Infants. Marilyn Stern			Daycare centers In Israel: An Overview Abraham Sagi, Nina Koren-Karie	
	Parental Beliefs About Infants: A Model Relating Parental Stereotyping To Parent- Infant Interaction Cathryn L. Booth			Infant Daycare In Italy Susanna Mantovani	
	Sex Stereotyping In Parents' Perceptions Of Newborns Katherine Hildebrandt Karraker, Dena Ann Vogel			Infant Daycare In West Germany E. Kuno Beller	
	Perceptions Of Different Temperament: The Influence Of Maternal Attitudes And Attributions Thomas G. Power, Susan Gershenson				
9:00-10:50	Grand Ballroom IV.	SYMPOSIUM	4:00-5:50	Grand Ballroom II.	CONVERSATION HOUR
	ECOLOGICAL CONSTRAINTS ON THE DEVELOPMENT OF OBJECT EXPLORATION			PSYCHOSOCIAL ASPECTS OF CARING FOR THE SICK INFANT: TRANSITION FROM RESEARCH TO PRACTICE	
	Chair: Carolyn Palmer			Chair: Lewis A. Leavitt	
	Developing Effectivities And Discovering Affordances Carolyn Palmer			Participants: Edward J. Goldson Forrest C. Bennett Ruth E. Stein Michael W. Yogman	
	Object Exploration And Tool Use In 8-24 Month Infants Ad Smitsman, Liesolette van Leeuwen, Joost Peters				
	Object Manipulation And Social Context Jeffrey J. Lockman				
			4:00-5:50	Grand Ballrooms III and IV	INVITED ADDRESS
				CONTINUITIES AND DISCONTINUITIES IN DEVELOPMENT: A NEUROBIOLOGICAL VIEW	
				Presenter: William T. Greenough	
				Chair: Jerome Kagan	
			7:00-9:30	National Building Museum	Reception
				ICIS Reception	

2:00-5:00 CONTINGENCY AND CAUSALITY

CAPITOL BALLOON L. POSTER SESSION

- C01) Attractiveness: A Mediator Of The Perception Of Infant Age And Developmental Level. Jean M. Ritter, Rita J. Casey, Judith H. Langlois. Infants' Reactions To Child And Adult Strangers: An Investigation Of Height And Facial Configuration Variables. Ann Bigelow, Janet Smith.
- C02) Effect Of Contingency Experience On Perception Of Directional Attention. Javiera R. Morellan, John S. Watson. Object Exploration And Perception In Blind Toddlers. Barbara Landau.
- C03) Context, Attention, And Face Perception In 10-Week-Olds. Robert A. Haas, Elizabeth L. Cowlin, Jeffrey J. Janowsky. Infants' Intermodal Matching Of Male And Female Faces And Voices.
- C04) Context, Attention, And Face Perception In 10-Week-Olds. Robert A. Haas, Elizabeth L. Cowlin, Jeffrey J. Janowsky. Infants' Self-Recognition In Infants. Adrienne S., Stacie S., Ragionni.
- C05) Infants' Self-Recognition In Infants. Adrienne S., Stacie S., Ragionni. Roggman, Lorreta A., Riesen-Danner, Lesley S., Watson.
- C06) Infant Social Responses To Attractiveness. Judith H. Langlois, Lori A. Roggman, Lorreta A., Riesen-Danner, Lesley S., Watson.
- C07) Visual Self-Recognition In Infants. Andre Vijt. Infants' Abilities To Perceive Lateral Relations In Visual Events. Beth A., Shapero, Marsha A., Epple, Karen E., Adolfh.
- C08) Infants' Expectations: What, Where, When. Naomi Wentworth. Visual Expectations In Early Infancy. Nancy S. Robinson, Michael E. McCarty, Marsha A., Hartin.
- C09) Infants' Expectations: What, Where, When. Naomi Wentworth. Infants' Perception Of Casual Events. Lisa M. Oakes, Leslie B., Cohen.
- C10) Visual Expectations In Early Infancy. Nancy S. Robinson, Michael E. McCarty, Marsha A., Hartin.
- C11) Infant Perception Of Casual Events. Lisa M. Oakes, Leslie B., Cohen. Infants' Perception Of One-Year-Olds: Acoustical Correlates Of Perceived Emotions. Calivin P. Garbin.
- C12) On Adults' Perceptions Of The Cries Of One-Year-Olds: Acoustical Correlates Of Perceived Emotions. Calivin P. Garbin.
- C13) Susceptibility To Learned Helplessness In Responding To Infant Cries. William L. Donovan, Lewis A., Leavitt, R. O., Walsh.
- C14) The Rhythmic Organization Of Heart Rate In Breast And Bottle Fed Newborns. Philip Sanford Zeskind, Timothy Ray Marshall.
- C15) Cultural Comparisons Of Infant Crying. Robert H. Woodson.
- C16) Organizational Changes In Heart Period Variability. Robert H. Woodson.
- C17) Infant Electrophysiological Correlates Of Cognition. Abe B., Tokska, David H., Crowley, James W., Pearce.
- C18) Activity Levels, Stress Responsivity And Bodyweight In Rhesus Monkey Neonates. James M. Scanlan.
- C19) Behavioral Organization And Adrenocortical Activity Of Newborns And Infants. Gottfried Spanagel, Elisabeth Melioli, Klaus E. Grossmann.
- C20) Longitudinal Correlates Of Newborn Auditory Brainstem Evoked Responses (ABRs). Ann D. Murray.

Saturday, April 23, 1988

- E19) Contribution Of Attachment Security To Amount Of Infant-Mother Conversation: A Comparison Of High And Low-Risk Samples. Colleen E. Morisset, Susan J. Spieker.
- E20) Peer Interaction: Effects of Prematurity and Attachment Classification. Elizabeth A. Lemerise, Carol Z. Malatesta.
- E21) Affective Contributions Of Adolescent Mothers And Infants To The Quality Of Attachment. Della M. Hann, Sharon A. Stringer, Sheena S. Carter, Joy D. Osofsky.
- E22) Chronic Illness And Infant-Mother Attachment. Anneke Fischer-Fay, Susan Goldberg, Robert Simmons, Penny Morris, Henry Levison.
- E23) Attachment In Rhesus Monkeys Reared Either With Only Peers Or With Their Mothers As Assessed By The Ainsworth Strange Situation Procedure. J. D. Higley, G. R. Danner, R. Hirsch.
- E24) Attachment And Co-Regulation In Dyads Containing Well-Behaved Or Behavior Disordered Preschoolers. Matthew L. Speltz, Mark T. Greenberg, Michelle DeKlyn.
- E25) Attachment: The Effects Of Prematurity And Mother-Infant Interaction. Diane E. Wille.

MATERNAL PERCEPTION OF INFANT BEHAVIORS

- E26) Maternal Vitamin B6 Level And Mother-Infant Interaction In An Egyptian Population. Theodore D. Wachs, Anna McCullough, Avanelle Kirksey, Afaf Sobhy, Nargis Bassily, Zeinab Bishry, Osman Galal.
- E27) Maternal Locus-Of-Control Orientation As A Predictor Of Maternal Control During Play And Toddler Behavioral Adjustment. Gail M. Houck.
- E28) The Role Of Infant Gender In Maternal Attributions Of Crying And In Mother-Infant Interaction. Susan Shonk, Ann Frodi.
- E29) Mother-Infant Communication At 12 Months: Adolescent And Adult Single Mothers. Marguerite B. Stevenson, Mary A. Roach.
- E30) Women's Behavioral Responses To A Crying Baby. Gwen E. Gustafson, James A. Green.
- E31) Congruence Between Mothers' And Observer's Perceptions Of Infant Affect Relationship To Mother-Infant Interaction. Constance F. Nakao.
- E32) Maternal Treatment Of Male vs. Female Infants In Greece And Infant Vocal Responsiveness To Mother vs. Stranger. Kiki V. Roe, Antonia Drivas.
- E33) Intuitive Facilitation Of Visual Contact With Young Infants In Caucasian And Chinese Mothers. Hanus Papousek, Mechthild Papousek, Charles W. Rahn.

SOCIAL REFERENCING

- E34) Individual Differences In Active Social Referencing. Tedra A. Walden, Tamra A. Ogan, Abigail Baxter.
- E35) Infant-Mother Affective Communication. Warren D. Rosen, Roger Bakeman.
- E36) Social Referencing: Relations Between Temperament And Patterns Of Looking. Robin Hornik, Mary Larson.
- E37) Social Referencing Effects: Contributions Of Affective, Instrumental, And Modeling Information. Robin Hornik, Tracy Hawton.
- E38) Patterns Of Coping With Conflict In Infancy: 12-Month-Olds' Response To Conflicting Parental Emotional Signals. Laurence M. Hirshberg.

Friday, April 22, 1988

- C21) Event-Related Potentials (ERP) To Rare Stimuli And Sequential Processing In Infants. Rathe Karrer, Patrick K. Ackles, Perri Haughwout, Katie Cook, Diane Barg.
- C22) Longitudinal Changes In Monoamine Metabolites In Rhesus Monkeys From Infancy To Adolescence. W. J. Hopkins, J. D. Higley, M. F. Hasert, M. Linoilla.
- C23) 7-Month-Old Infants Anticipate Interesting Events: Heart Rate Responses During A Fixed Foreperiod (S1-S2), Paradigm. Robert L. Donohue, W. Keith Berg.
- C24) The Effect Of Rearing Environment On Infant Rhesus Monkeys' Physiological And Behavioral Adaptation To Novelty. Evan A. Byrne, Gayle DiGregorio, William W. Thompson.
- C25) The Effects Of Handling On Physiological Stability In Hospitalized Preterm Infants. Peter A. Gorski.
- C26) The Relation Of Preterm Infant Behaviors To Physiological Distress. Lee Huntington, Peter A. Gorski.
- C27) The Influence Of Pregnancy On Subjective And Physiologic Responses To Infant Cries. Yvonne E. Bryan, Lynne C. Huffman, Frank A. Pedersen.
- C28) Behavioral And Physiological Reactivity Of Preterms To Gavage Feeding. Janet A. DiPietro, Stephen W. Porges.
- C29) Neonatal Cardiac Responses To Lumbar Punctures. Fran L. Porter, Stephen W. Porges.

TEMPERAMENT I: ITS CHARACTERISTICS AND STABILITY

- C30) Prenatal And Perinatal Correlates Of Infant Temperament And Behavior. Ura Jean Oyemade, O. Jackson Cole, Allan Johnson, End Knight, George Nolan, Gloria Hill, Wendell Flowers, Duvon Winborne, Hazel Laryea, Priscilla Hilliard, Cecile H. Edwards.
- C31) Conditions Of Continuity And Discontinuity In Infant Temperament. Margaret Fish, Jay Belsky.
- C32) Continuity From Infancy Through Childhood In Anxiety Levels In Rhesus Monkeys (Macaca Mulatta) After Different Rearing Conditions. Darren S. Bush, Sara L. Steffen.
- C33) Infant Temperament As A Predictor Of Adaptive Behavior At Six And Eight Years Of Age. Kay Bathurst, Leigh L. Hobson, Gigi Nordquist.
- C34) Home Environment And Infant Temperament: A Longitudinal Analysis. Kay Bathurst, Allen W. Gottfried, Diana W. Guerin.
- C35) The Relationship Between Infant Temperament And Behavior Problems At 6-7 Years. Christine M. DiBlasio, Lynne A. Bond, Richard C. Wasserman, Gary L. Creasey.
- C36) Early Indexes Of Behavioral Inhibition. Nancy Snidman, Lynn Goldsmith, Jerome Kagan.
- C37) Heart Rate Variability And Parental Reports Of Temperament As Predictors Of Emotional Expression In Infancy. Rosemarie DiBiase.
- C38) Behavioral Inhibition And Affect Expression At 12 Months. Donna L. Bradshaw, Kazuo Miyake.
- C39) The Relationship Between Heart Period Variability And Reactivity At 5 And 14 Months Of Age. Martha Ann Bell, D. Barbara Sutton, Anne Luebering, Nancy Aaron.

INFANT-MOTHER ATTACHMENT		POSTER SESSION	
		2:00-5:00	Captiol Ballroom
C40)	Attention, Temperament, And Perinatal Risk. Sheldon Wagner, Jody Ganniban, Walter Murphy.		
C41)	Negative Emotionality And Attention. Katherine Lawson, Holly Ruff.		
C42)	Activity Level As A Dimension Of Temperament In Toddlers: Its Relevance For The Organismic Specificity Hypothesis. Mary Jane Grandjean.		
C43)	Maternal Stress And Infant Temperament. Margo Moser, Susanne Denham.		
C44)	Newborn Reactivity And Subsequent Illness. John Wrobey, Judith Butler.		
C45)	Memory, Learning, And Temperament In Early Infancy. John Wrobey, Mary D. Klinnert, David A. Marzak.		
C46)	Temperament And Illness In Infants. Mary D. Klinnert, David A. Marzak.		
C47)	Cry Acoustics And Parental Perception Of Cry And Temperature In Preterm And Term Infants. C. F. Z. Boukydis, Mark Puecker, Sarah Walk, Barry M. Lester.		
C48)	Development Of Preterms With Severe Intracranial Hemorrhage. Karen M. Sillies.		
C49)	School Readiness: Effects Of Prematurity Independent Of Infants Of Adolescents. Keiko Mizukami, Noboru Kobayashi, Hiroo Wada, Takeuchi Ichii, Valvano, Yolande F. Smith.		
C50)	Bronchopulmonary Dysplasia: Perinatal And Demographic Correlates Of Outcome. Margaret D. Skidmore, F. Ann Rivers, Elaine Borawska.		
C51)	Perinatal Factors Associated With Developmental Outcome In Low Birthweight Twins. Brian T. Healy.		
C52)	Survival, Short Term And Long Term Mortalities In 1000 Gram Infants. Edward Goldson, Jacinto Hernandez.		
C53)	Developmental Outcome At 2 Years Of Age In Critically Ill Term Neonates Treated With ECMO. Penny Glass, George Taylor, Billie L. Short.		
C54)	Three-Month Developmental Status As A Function Of Maternity At Birth And Interventricular Hemorrhage. Cristina A. Fanuzzi.		
C55)	Characteristics Of Small-For-Gestational-Age Infants. Monica Dowling, Debra Bandell.		
C456)	A Longitudinal Study Of Developmental Outcome In Preterm Infants. Regina M. Cusson, Nancy A. Mahoney, Jennifer Ismeut, Nanya Connor, Marian Sigman.		
C457)	The Prediction Of Problem Behaviors From Attachment Classification. Beverly L. Fagot, Keta Kavanaugh.	E17)	
C458)	Predictors Of Material-Fetal Attachment In Pregnant Adolescents. Deborah Konikoff-Griffith.	E18)	
			Robert D. Guthrie.

Saturday, April 23, 1988

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✓ 2:00-3:50	Grand Ballroom IV.	SYMPOSIUM	8:00-8:50	Grand Ballroom I.	SYMPOSIUM
	PSYCHOBIOLOGY OF STRESS Chair: Michael Lewis			WHAT RESEARCHERS SHOULD KNOW ABOUT PRESENT DIRECTIONS OF SOCIAL POLICY AFFECTING INFANTS, TODDLERS AND THEIR FAMILIES Chair: T. Berry Brazelton	
	Infants Behavioral And Salivary Cortisol Response To Stress Michael Lewis			Research policy for infants: Missed opportunities Eleanor Stokes Szanton	
	Salivary Cortisol And Studies Of Infant Temperament And Reactivity Megan R. Gunnar			The Educator of the Handicapped Act Amendments of 1986: The role of infant development research in policy development and implementation Emily Schrag	
	Cortisol And Behavioral Inhibition Jerome Kagan, J. Steven Reznick, Nancy Snidman			Research on public policy aimed at improving day care programs for infants and toddlers Peggy Pizzo	
	Psychobiological Reactions To Challenge In Rhesus Monkeys Stephen J. Suomi			Discussion of research and social policy affecting infants, toddlers, and their families: A Federal legislative perspective Ann Rosewater	
✓ 4:00-6:00	Grand Ballrooms I, II, III, and IV.	SYMPOSIUM	9:00-10:50	Grand Ballroom I.	SYMPOSIUM
	A symposium in honor of T. Berry Brazelton and A. H. Parmelee			ASSOCIATIONS AND DISSOCIATIONS BETWEEN LANGUAGE AND COGNITION: EVIDENCE FROM THE EXTREMES OF LANGUAGE DEVELOPMENT Chair: Donna J. Thal	
	STATE, CAREGIVER INTERACTION, AND OPTIMAL HEALTH Chair: Robert Emde			Language Extremes And Cognition: Introductory Remarks Elizabeth Bates	
	Participants: Kathryn Barnard Peter Gorski Marian Sigman Lewis A. Leavitt Dan Stern			Linguistic Precocity, Cognition, And Development Philip S. Dale, Nancy M. Robinson.	
6:30-8:30	Capitol Ballroom Reception for Drs. Brazelton and Parmelee	Reception		Language And Symbolic Gesture In Late And Early Language Development Donna J. Thal	
				Early Language And Symbolic Play Of Children With Down's Syndrome Marjorie M. Beeghly	
			8:30-9:50	Grand Ballroom II.	SYMPOSIUM
				SOCIAL SUPPORT AND PARENTING: ISSUES IN PREDICTABILITY AND MEDIATION OF SUPPORT INFLUENCES DURING INFANCY AND EARLY CHILDHOOD. Chair: Keith A. Crnic	
				Social Support, Mental Health, And Parenting Among Teenaged Mothers Carolyn E. Cutrona	
				Partner Support As A Predictor of Maternal Behavior And As A Buffer Of The Effects Of Rejection During Childhood Susan Crockenberg	
				Support During Infancy: Relations To Later Parenting And Child Development Keith A. Crnic, Mark Greenberg	

SYMPOSIUM		
1:00-1:20 INFANT SYMPOSIUM Chair: Tiffany Field Infant Daycare Facilitates Preschool Social Behavior Context Of Surrogate Parenthood. BABY "M": EVALUATING MOTHERS AND MOTHER-INFANT INTERACTION IN THE CONTEXT OF SURROGATE PARENTHOOD. Charl T. Berry Brazelton Joy D. Osofsky Marschall Schechter Betsy Aiggen Lorraine Abraham Charl David A. Garsus Children's Interests And Task Persistence K. Ann Renninger Task Persistence And Exploratory Behavior David A. Garsus Individuality In Sustained Attention Holly A. Ruff, Katherine R. Lawson Assessment Of Cognitive Development In Preschoolers Elizabeth Antiehl, Deborah Wagner, Nicholas Cummings Rapid Screening Of Potential Measures Of Infant Intelligence Lee A. Thompson, Kay Phillips, David W. Fuhrer, Robert Plomin Application Of The Fagan Test Of Infant Intelligence To High-Risk Populations Joseph F. Fagan, Jeanne E. Monte, Patricia A. Shephard One-Year Followup Of Small Families Chair Lee A. Thompson RESEARCH ON INFANT INTELLIGENCE: PREFERENCE FOR NOVEL APPLICATIONS Chair Lee A. Thompson INDIVIDUAL DIFFERENCES IN TASK PERSISTENCE IN EARLY CHILDHOOD Charl David A. Garsus 2:00-3:50 Grand Ballroom II. SYMPOSIUM		
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9:00-10:50 THE RELEVANCE OF TEMPERAMENT TO OTHER CONSTRUCTS IN DEVELOPMENTAL PSYCHOLOGY Chair: Meggan R. Gunnar Maternal Depression And Infant Disturbance: Transgenerational And Interpersonal Processes Face-To-Face Interactions Of Postpartum Depressed And Non-Depressed Mother-Father Pairs At 2 Months Jeffery F. Cohen, Susan Campbell, Reinaldo Matias, Jr., Joyce Hopkins Research On Maternal Depression: Shifting Risk Toward Intervention Megan R. Gunnar, Sarah Mangelsdorf, Roberta Kestenbaum, Mary Larson, Debra Andreas Temperament And Emotions H. Hill Goldsmith Temperament And Attachment Mary K. Rothbart, Bruce P. Kenner, Suzanne L. O'Curry		

AUDITORY PERCEPTION

- D40) Development Of Peripheral Vision In High-Risk Infants. Beatriz Luna, Velma Dobson, Nancy A. Carpenter, Jennifer Bossler, Karen Bonvalot.
- D41) Effects of Spatial Restriction Program on the Development of Very Low Birthweight Infants. Paul J.M. Helders, Barnard P. Cats, Janjaap van der Net.
- D42) Developmental Outcome of Preterm Infants: A Casual Model. Kathleen Malee, Scott Azuma, William Burns, Kayreen Burns, Ruth Deddish.
- D43) Predictive Utility of Cry Characteristics in Methadone Exposed Infants. Lee Huntington, Sydney Hans, Philip S. Zeskind.
- D44) Attention and Development In Preterm Infants. Peter Mundy.
- D45) High-Risk Subject Loss. Susan K. Ritchie, C.J.R. Simons, Martha D. Mullett, Colleen Connell.
- D46) Newborns' Motor Response To Pure-Tone Stimulation. Lynne W. Olsho, Jay Gillenwater.
- D47) Infants' Perception Of Invariant Rhythm And Tempo. Jeffrey N. Pickens, Lorraine E. Bahrick.
- D48) Monaural Displacement Of Sounds By Human Infants. Daniel Ashmead, Tracy Whalen, DeFord LeRoy, Richard Odom.
- D49) Newborn Response To A Male Voice. Christine Moon, William P. Fifer.
- D50) Early Auditory And Visual Integration In 4-Month-Old Infants. David Moore, Jane Gibbons.
- D51) Infants' Localization Of Sounds In 2-D Space. Barbara A. Morrongiello.
- D52) Discrimination Of Sound Location By Very Young Infants. Barbara A. Morrongiello.
- D53) Infants' Perception Of "Good" And "Bad" Music. Sandra E. Trehub, Leigh A. Thorpe.
- D54) Exercise Of The Reflexive Stepping Pattern With High-Risk Infants. Elizabeth Leonard, Philip R. Zelazo.
- D55) Does Intraventricular Hemorrhage Disrupt Normal Right Postural Preferences In The Neonatal Period? Margaret Bendersky.
- D56) Maternal Compliance To High-Risk Infant Follow-Up Clinical Attendance. Lori Lackman, Debra Bendell.
- D57) Maternal Nutritional Status And Ponderal Index Of Infants. Ura Jean Oyemade, O. Jackson Cole, Allan Johnson, Enid Knight, George Nolan, Wendell Flowers, Duvon Winborne, Haziel Laryea, Priscilla Hilliard, Cecile H. Edwards.

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| <p>11:00-12:50</p> | <p>Grand Ballroom I.</p> | <p>SYMPORIUM</p> |
| NEW DIRECTIONS IN INFANT SPEECH PERCEPTION
Chair: Leslie B. Cohen | | |
| <ul style="list-style-type: none"> Infant's Segmentation Of Fluent Speech Into Word-Length Units
Richard Aslin How Infants Look At Speech: A Model And Method
Leslie B. Cohen, Randy L. Diehl The Intermodel Organization Of Speech: Auditory-Visual Perception And Vocal Imitation
Patricia K. Kuhl, Andrew N. Meltzoff Speech Perception And the Acquisition Of Word Meaning
Janet F. Werker | | |

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| <p>11:30-12:50</p> | <p>Grand Ballroom II.</p> | <p>SYMPORIUM</p> |
| IMPLICATIONS OF PUBLIC LAW 99-457 FOR RESEARCH ON HANDICAPPED INFANTS AND TRAINING OF PROFESSIONALS TO SERVE THEM
Chair: Kathy S. Katz | | |
| <ul style="list-style-type: none"> The Federal Program For Infants And Toddlers With Handicaps: Part H Of Public Law 94-142, as Amended By Public Law 99-457
Philippa H. Campbell Intervention Models And Outcome Research For Chronically Ill Infants
Kathy S. Katz Issues In The Training Of Professionals To Deliver Clinical Services To Chronically Ill Infants
Judith L. Pokorni | | |

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| <p>11:00-12:50</p> | <p>Grand Ballrooms III and IV</p> | <p>INVITED ADDRESS</p> |
| THE MEDICALIZATION OF CHILDBIRTH IN THE TWENTIETH CENTURY
Presenter: Judith Leavitt
Chair: Anneliese Korner | | |

