

# PROGRAM

Monday 16 June

## **1A SYMPOSIUM: INCIDENCE AND FACTORS OF TWINNING**

Chairman: **Ian MacGillivray**

0840 **The Probable Explanation for the Falling Twinning Rate in Scotland**

Ian MacGillivray

0900 **The Changing Incidence of Multiple Births: One Century of Italian Statistics**

Paolo Parisi, Giancarlo Caperna

0920 **Discussion**

0940 **Analysis of Twinning Rates in Japan**

Eiji Inouye, Yoko Imaizumi

1000 **Factors Influencing the Incidence of Twinning in Nigeria**

Percy P.S. Nylander

1020 **Discussion**

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1040 **Coffee Break**

## **1B SYMPOSIUM: EMBRYOLOGY AND TERATOLOGY OF TWINNING**

Chairman: **Walter E. Nance**

1100 **Malformations Unique to the Twinning Process**

Walter E. Nance

1120 **Monozygotic Twinning and Structural Defects**

Albert Schinzel

1140 **Discussion**

1200 **The Lessons from Multiple Pregnancies in Mammals**

Kurt Benirschke

1220 **Multiple and Singleton Pregnancy: Differences Between Mothers as Well as Offspring**

Gerald Corney

1240 **Discussion**

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1300 **Intermission**

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Monday 16 June: Concurrent Sessions

**1C WORKSHOP:**

**TWIN DATA ANALYSIS**

Chairman: J.C. Christian

**Twin Data Analysis**

Joe C. Christian

1400

**ID TWIN RESEARCH**

**IN CLINICAL STUDIES**

Chairman: D. Klein

**Genetic Study of Infectious Diseases of Childhood in a Sample of Twins**

L. Gedda G. Brenci, G. Rajani, R. Zipato

**Are Distances Between DZ Twins for Polygenes and Major Genes Correlated?**

E. Defrise-Gussenhoven, Y. Michotte, C. Susanne

1415

**Myofacial Pain Dysfunction Syndrome in Twins**

A. Heiberg, B. Heløe, A. Nøklebye Heiberg, L.A. Heløe, P. Magnus, K. Berg, W.E. Nance

**Generalized Distance in Twins**

Sylvia De Bie

1430

**Results of a Monozygotic Cotwin Control Study on a Treatment for Myopia**

J.T. Schwartz

**IE TWINS, PARENTS OF TWINS, AND RESEARCH**

Chairman: J. Maxey

**Research: Commitment and Communication**

Joyce Maxey

**A Researcher's General Remarks**

Ronald S. Wilson

**The International Twins Association (ITA): Past, Present, and Future**

Elspeth Corley, Beverly Simmons

- 1445 **Detection of the Genetic Effects of Marker Loci by Partitioned Twin Analysis**  
W.E. Nance, L.A. Corey, P.M. Winter, M. Mosteller
- Discordance for Hypodontia Monozygotic Triplets**  
P. Möller, K. Berg, A.F. Ruud, T.K. Kvien
- The Twins Club Association of Great Britain**  
 Judi Linney
- 1500 **Tests for Genetic-Environmental Interaction in Twins**  
J.D. Mathews, M. Hannah I. Halbrecht
- Chromosomal Studies in Twins and Their Mothers**  
F. Shabtai, S. Bichacho, I. Halbrecht
- Role of the National Organization of Mothers of Twins Clubs, USA (NOMOTC)**  
 Marion P. Meyer
- 1515 **Zygoty Test on the Basis of Growth Measures: A Bayesian Approach**  
C. Rossi, G. Brenci, R. Ziparo
- A Study of Mutability in MZ Twins**  
L. Gedda, A. Noto, C. Di Fusco, E. Roselli, G. Brenci
- Parents of Twins and the Need for Research into the Impact of a Multiple Birth**  
J. Craig, S. McInnes, B. McLean

| <u>Monday 16 June: Concurrent Sessions</u>   |  |
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| <b>IC TWIN DATA ANALYSIS</b><br><i>Contd.</i>  | <b>ID CLINICAL STUDIES</b><br><i>Contd.</i>  |
| 1530   | 1530   |
| <p><b>Methodological Implications of Zygosity Differences in Developmental Relationships</b><br/>C.E. Boklage, R.C. Elston,<br/>R.H. Potter</p>    | <p><b>Quinacrine Mustard (QM) and Nucleolar Organizer Region (NOR) Heteromorphisms in Twins</b><br/>C.R. Casson, L.A. Corey,<br/>W.E. Nance, J.A. Brown</p>  |
| 1545   | 1545   |
| <p><b>The Use of Twins in Analysing the Human Mating System</b><br/>A.C. Heath</p>   | <p><b>Cytogenetic and Antigenic Studies in One Pair of Twins, a Normal Boy and a Trisomic 21 Girl with Chimera</b><br/>S. Gilgenkrantz C. Janot,<br/>C. Marchal, Ph. Wendremaire,<br/>M. Seger</p> |
| 1600   | 1600   |
| <p><b>Relevance of the Marriages of Twins to the Causal Analysis of Nonrandom Mating</b><br/>W.E. Nance, L.A. Corey,<br/>R.J. Rose, L.J. Eaves</p> | <p><b>Uncommon Birth Defects and Multiple Pregnancies</b><br/>M.L. Giovannucci-Uzielli, E. Lapi,<br/>M. Bartoluzzi</p>   |
| 1615   | 1615   |
| <p><b>The Benefit of Cooperative Research into Multiple Birth at Professional and Voluntary Organization Levels</b><br/>Patricia Stewart</p>       | <p><b>The Dermatoglyphic Collaborative Study: Hand Features Usable for Twin Zygosity Assessment</b><br/>Warner H. Kloepfer, Paolo Parisi</p>   |
| 1620   | 1620   |
| <p><b>IC TWINS, PARENTS OF TWINS, AND RESEARCH</b><br/><i>Contd.</i></p>   | <p><b>Multiple Birth Organizations</b><br/>Donald Keith, Louis Keith</p>   |

**The Development of a  
Population-Based Twin Panel**  
P.M. Winter, W.E. Nance,  
L.A. Corey

**Sampling Survey on Atomic-  
Bomb-Exposed and -Nonexposed  
Twin Pairs: Pilot Case Study  
from a Sociohistorical Viewpoint**  
S. Watanabe, H. Ueoka,  
M. Munaka, N. Okamoto

**The Mothering of Twins,  
Triplets, and Quadruplets**  
Esther R. Goshen-Gottstein

**Sampling Survey on Atomic-  
Bomb-Exposed and Nonexposed  
Twin Pairs: Pilot Case Study on  
the Natural History of Disease**  
Y. Satow, N. Okamoto, H. Okita

**General Discussion**

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*FIRST INTERNATIONAL  
CONFERENCE OF  
MULTIPLE BIRTH  
ORGANIZATIONS*

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**General Discussion**

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*MEETING OF THE EDITORIAL BOARD OF THE JOURNAL  
ACTA GENETICAE MEDICAE ET GEMELLOLOGIAE—TWIN  
RESEARCH*

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1630

1645

1700

1730

Folklore Evening

2030

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Tuesday 17 June

**2A SYMPOSIUM: TWIN STUDY DESIGNS IN MEDICAL RESEARCH**

Chairman: **Gordon Allen**

0840 **Matched-Pair Methods in Epidemiology as a Paradigm for Twin Research**  
Colin White

0900 **Methodologic Problems in Matched-Pair Studies Using Twins**  
Zdenek Hrubec

0920 **Discussion**

0940 **Sequential Collection and Analysis of Data**  
Jacob E. Bearman

1000 **Twin Azygotic Test: An Application to Italian Twin Data**  
L. Gedda, C. Rossi, G. Brenci, R. Ziparo

1020 **Discussion**

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1040 **Coffee Break**

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**2B SYMPOSIUM IN TWIN RESEARCH: PERSONALITY**

Chairman: **Hans J. Eysenck**

1100 **A Comparative Study of Individual Differences in Personality: An Italian Twin Study**  
D.W. Fulker, P. Parisi, H.J. Eysenck, L. Gedda

1120 **Are Personality Traits Stable?**  
Lindon J. Eaves

1140 **Discussion**

1200 **Personality Resemblance Among Adolescents and Their Parents in Biologically-Related and Adoptive Families**  
S. Scarr, P.L. Webber, R.A. Weinberg, M.A. Wittig

1220 **Blood Groups, Physical Traits, and Personality Similarity in Adult Dizygotic Twins**  
J.M. Horn, R. Rosenman, K. Mathews

1240 **Discussion**

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1300 **Intermission**

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Tuesday 17 June: Concurrent Sessions

**2C WORKSHOP: MULTIPLE PREGNANCY**

Co-Chairmen:  
I. MacGillivray and L. Keith

**2D TWIN RESEARCH IN PHYSIOLOGY AND ANTHROPOLOGY**

Chairman: J. François

**2E TWIN RESEARCH IN BEHAVIOR GENETICS**

Chairman: R. Guttman

1400 **Twin Pregnancies Following Conceptions on Different Cycle Days of the Menstrual Cycle**  
Susan Harlap

1415 **Sex Ratio of Twins According to Zygosity and Placental Structure**  
R. Derom, M. Thiery, R. Vlietinck

1430 **Further Comments on the Reproductive Performance of Twin Sisters of Known Zygosity**  
B. Thompson, I. MacGillivray, A. Sutherland

1445 **Preconceptional Prediction of Twin Pregnancies**  
Ph. Lazar, C. Berger, D. Hemon

1500 **Echographic Imagery of Amniotic Membranes in Twin Pregnancies**  
R. Bessis, E. Papiernik

**Blood Pressure in Twins**  
A. Heiberg, P. Magnus, K. Berg, W.E. Nance

**The Atrioventricular Conduction Time: A Heritable Trait?**  
P. Møller, A. Heiberg, K. Berg

**Possible Restrictive Effect of Normal Genetic Markers on the Variation in Serum Cholesterol Within Monozygotic Twin Pairs**  
P. Magnus, A. L. Børresen, K. Berg, W.E. Nance

**Genetic Control of Cell Membrane Low-Density Lipoprotein (LDL) Receptor Activity in the Absence of Familial Hypercholesterolemia**  
W. Golden, P. Magnus, K. Maartmann-Moe, K. Berg, W.E. Nance

**Dietary Intake in Monozygotic Twins**  
L.A. Corey, W.E. Nance  
P.M. Winter

**Twinship as Handicap; Fact or Fiction? A Longitudinal Study**  
D.A. Watts, H. Lytton

**Phenomenology of the Self in the Study of Twins**  
L. Gedda, S. Borella

**Factors in Differential Development: A Longitudinal Study of Monozygotic Twins**  
E.D. Dibble, D.J. Cohen

**Finnish Twins Reared Apart: Preliminary Characterization of Rearing Environment and Personality**  
H. Langinvainio, M. Koskenvuo, J. Kaprio, J. Lönnqvist, L. Tarkkonen

**Twin Resemblances in Personality**  
Frank Barron

## Tuesday 17 June: Concurrent Sessions

**2C MULTIPLE PREGNANCY***Contd.*

- 1515 **Measurements of Blood Flow in the Fetal Aorta of Twins**  
P.H. Persson, S. Eik-Nes, K. Marsal

**2D PHYSIOLOGY AND ANTHROPOLOGY***Contd.*

- The Inheritance of Plasma and Red Blood Cell Magnesium, Zinc, and Copper Levels Studied by Twin and Family Data**  
P. Darlu, Y. Michotte, E. Defrise-Gussenhoven, J.G. Henrotte

**2E BEHAVIOR GENETICS***Contd.*

- Rorschach Test and Myokinetic Psychodiagnosis of Mira y Lopeze in MZ and DZ Twins**  
M. Timsit, C. Bastin, M. Timsit-Berthier

- 1530 **Steroid and Metabolic Changes in Twin Pregnancy**  
R.L. TambyRaja, S.S. Ratnam

- A Genetic Analysis of Taste Threshold for PTC**  
R.M. Cantor, C.R. Casson, C.Y. Chiu, W.L. Golden, L.A. Corey  
W.E. Nance

- Heredity and Personalization in Visual Perception**  
Silvia Borella

- 1545 **Urinary Tract Infection in Twin Pregnancy**  
D. Ray

- Structure and Colour of the Iris in Twins**  
M. Teschler, W. Graninger

- Environmental Childhood Similarity and Similarity in Adult Personality and Neurotic Development in Twin Pairs**  
Svenn Torgersen

1600

Coffee Break

- 1615 **Twin Delivery: Spontaneous Labor or Induction?**  
G. Helouin, F. Lavigne, E. Papiernik

- Variations of Heritability as a Function of Parental Age**  
F. Lints, P. Parisi

- The Multiple Threshold Model of Disease Transmission: Application to Twin Data on Affective Disorders**  
Miron Baron



- 1630 **The Outcome of Twin Pregnancies in Aberdeen**  
Ian MacGillivray
- 1645 **Diagnosis, Treatment, Perinatal Mortality, and Outcome in Twin Pregnancy**  
Björn Westin
- 1700 **The Northwestern University Multihospital Twin Study: III. Clinical Correlates**  
G.S. Berger, R.F. Ellis, L. Keith, R. Depp
- 1715 **The European Twin Registry**  
M. Thiery, R. Derom, R. Vlietinck
- 1730 **The History of the Florence Sextuplets: Obstetric and Genetic Considerations**  
M.L. Giovannucci-Uzielli, C. Vecchi, E. Levi D'Ancona, E. Lapi
- Determinants of Ridge Counts in Monozygotic Twin Kinship**  
M.C. Phelan, P.K. Houser, W.E. Nance, M. Mosteller, L.A. Corey
- Genetics of Quantitative Variation of Human Scalp Hair Diameter**  
A.B. Das-Chaudhuri
- Twin-Family Studies of Common Fears and Phobias**  
R.J. Rose, J.Z. Miller, M. Pogue-Geile
- Twins Reared Apart: Preliminary Findings of Psychiatric Disturbances and Traits**  
E.D. Eckert, L.L. Heston, I.I. Gottesman, J.T. Bouchard
- The Maudsley Twins: Survival of the Cotwin and Functional Psychosis**  
A.M. Reveley, H.M.D. Gurling
- A Twin Study of Obsessionality**  
C.A. Clifford, D.W. Fulker, R.M. Murray

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1730 *MEETING OF THE OUTGOING BOARD (1978-1980) OF THE INTERNATIONAL SOCIETY FOR TWIN STUDIES*

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2030 **Israel Museum: Reception by the Mayor of Jerusalem**

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Wednesday 18 June

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**3A SYMPOSIUM: TWIN RESEARCH IN  
DEVELOPMENTAL STUDIES**

Chairman: **Ronald S. Wilson**

0840 **Synchronized Developmental Pathways for Infant Twins**

Ronald S. Wilson

0900 **Heredity-Environment Influences on Growth and Development During  
Adolescence**

Siv Fischbein

0920 **Discussion**

0940 **Developmental Patterns in Monozygotic Twins Reared Apart**

Thomas J. Bouchard

1000 **The Interaction of Family Attitudes and Cognitive Abilities in the La  
Trobe Twin Study of Behavioural and Biological Development**

David A. Hay, Pauline O. Brien

1020 **Discussion**

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1040 **Coffee Break**

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**3B SYMPOSIUM: TWIN RESEARCH IN  
CHRONOGENETICS, AGING, AND CANCER**

Chairman: **Luigi Gedda**

1100 **Twin Research and Chronogenetics**

Luigi Gedda, Gianni Brenci

1120 **Aging in Twins: From the Seventh to the Tenth Decade of Life**

Lissy Jarvik

1140 **Discussion**

1200 **The Age-Dependence of Disorders of Aging: Implications for Studies of  
Twins**

P.R.J. Burch

1220 **Results of the Forty-Year Longitudinal Study of the Berlin Twin Series**

Gerhard Koch

1240 **Discussion**

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1300 **Intermission**

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**3E TWIN RESEARCH IN SMOKING, DRINKING, AND SUBSTANCE EXPOSURE**  
 Chairman: G.D. Friedman

**3D BIOLOGY OF TWINNING - I**  
 Chairman: G. Wyshak

**3C WORKSHOP: INTELLIGENCE - TWIN AND ADOPTION STUDIES**  
 Co-Chairmen:  
S.G. Vandenberg and J.M. Horn

- 1400 **In Search of the Missing, Environmental Variance in Cognitive Ability**  
S.G. Vandenberg, A.R. Kuse
- 1415 **Comments on the Study of Intelligence Using Twin and Adoption Studies**  
Thomas J. Bouchard
- 1430 **Generalizability of Heritability Estimates for Intelligence from the Texas Adoption Project**  
J.M. Horn, J.C. Loehlin, L. Willerman
- 1445 **Preliminary Findings from a Study of the Familial Transmission of Intelligence, Using Juvenile Twins and Their Parents**  
A.C. Heath, L.J. Eaves,  
P.O. White, K.A. Last, and others
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- Secular Variations in the Dizygotic Rate in France, 1901-1968**  
D. Hemon, C. Berger, Ph. Lazar
- Epidemiology of Twinning in Virginia**  
M. Mosteller, J.I. Townsend,  
S.J. Kilpatrick, L.A. Corey
- Twinning in Australia: An Uncontrolled Survey of 1000 Multiple Births**  
D. V. Macourt, M. Zaki, P. Stewart
- Uses of Weinberg's Difference Method**  
Gordon Allen
- 
- Characteristics of Smoking-Discordant Monozygotic Twins**  
G.D. Friedman, M.C. King,  
A.L. Klatsky, S.B. Hulley
- Pulmonary Function in Monozygotic Twins Raised Apart**  
R.S. Kronenberg, D.G. Hankins,  
C.W. Drage
- Structural Analysis of Smoking, Alcohol Use, and Personality Factors in MZ and DZ Twin-Pair Relationships Using the LISREL Model**  
H. Langinvainio, J. Kaprio,  
M. Koskenvuo, L. Tarkkonen
- A Twin Study of Alcohol Use**  
C.A. Clifford, D.W. Fulker,  
H.M.D. Gurling, R.M. Murray

Wednesday 18 June: Concurrent Sessions

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| <p><b>3C INTELLIGENCE -<br/>TWIN AND ADOPTION<br/>STUDIES</b><br/><i>Contd.</i></p> | <p><b>3D BIOLOGY OF<br/>TWINNING - I</b><br/><i>Contd.</i></p>  | <p><b>3E SMOKING, DRINKING,<br/>AND SUBSTANCE<br/>EXPOSURE</b><br/><i>Contd.</i></p>   |  |
| <p>1500</p>   | <p>Incidence of Familial Clustering of Twins in the Mormon Genealogy<br/><u>S. Andersen</u>, <u>D. Carmelli</u>,<br/><u>M. Skolnick</u></p>                                       | <p>Psychological Deficit, Brain Damage, and the Genetic Predisposition to Alcoholism: A Twin Study<br/><u>H.M.D. Gurling</u>, <u>R.M. Murray</u>,<br/><u>C.A. Clifford</u></p> |  |
| <p>1515</p>   | <p>Twins and Singletons in the Kibbutz Environment<br/><u>M. Nathan</u>, <u>R. Guttman</u></p>  | <p>Experimental Pain and Morphine in Monozygotic Twins<br/><u>L.F. Jarvik</u>, <u>E.H. Histon</u>,<br/><u>J. Simpson</u>, <u>D. Guthrie</u></p>                                |  |
| <p>1530</p>   | <p>Familial Incidence of Twinning: Preliminary Results from the Analysis of 719 Twin Pedigrees<br/><u>P. Parisi</u>, <u>G. Caperna</u>, <u>G. Prinzi</u>,<br/><u>M. Gatti</u></p> | <p>Olfactory Sensitivity in Twins<br/><u>H.B. Hubert</u>, <u>R.R. Fabsitz</u>,<br/><u>K.S. Brown</u>, <u>M. Feinleib</u></p>   |  |
| <p>1545</p>   | <p>An Adoption Study of One-Year-Olds<br/><u>R. Plomin</u>, <u>J.C. DeFries</u>,<br/><u>S.G. Vandenberg</u></p>   | <p>The Age Distribution of Dizygotic Twinning in Cattle and Humans: Etiologic Implications<br/><u>P.R.J. Burch</u></p>   |  |
| <p>1545</p>   | <p>Intelligence Test Results in Opposite-Sex Twins<br/><u>Siv Fischbein</u></p>   | <p>Reproductive and Menstrual Characteristics of Mothers of Multiple Births and Mothers of Singletons Only: A Discriminant Analysis<br/><u>Grace Wyshak</u></p>                |  |

| Coffee Break |   |
|--------------|---|
| 1600         |   |
| 1615         | <p><b>Development of Piagetian Logico-Mathematical Concepts and Other Specific Cognitive Abilities</b><br/> <u>A. Garfinkle-Clausner,</u><br/> <u>S.G. Vandenberg</u></p> <p><b>Parental Age, Sibship's Sex Ratio in a Twin Sample</b><br/> <u>L. Gedda, M.T. Lun, R. Carrega,</u><br/> <u>E. Roselli</u></p> |
| 1630         | <p><b>General Discussion</b></p> <p><b>Heredity, Environment, and Spontaneous Abortions Among Twins</b><br/> <u>U. Lorich, R. Cederlöf</u></p>  |
| 1645         | <p><b>The Analysis of Spontaneous Abortion Using a New Half-Sib Model for Qualitative Traits</b><br/> <u>W.L. Golden, R.M. Winter,</u><br/> <u>L. Eaves, K. Berg, W.E. Nance</u></p>  |
| 1730         | <p><i>BUSINESS MEETING OF THE INTERNATIONAL SOCIETY FOR TWIN STUDIES</i></p>  |
| 2000         | <p><b>Maiersdorff Hall (Mount Scopus):<br/> Banquet</b></p>   |
| 2130         | <p><b>Gordon Allen, Presidential Address:<br/> "The Twinning and Fertility Paradox"</b></p>   |

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Thursday 19 June

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**4A SYMPOSIUM: TWIN RESEARCH IN TEMPERAMENT**

Chairman: **Hugh Lytton**

- 0830 **The Social Development of Twins in Longitudinal Perspective:  
How Stable is Genetic Determination from Age 2 to 9?**  
Hugh Lytton, Denise Watts
- 0850 **Genetic Aspects of Temperamental Development:  
A Follow-up Study of Twins from Infancy to 6 Years of Age**  
Anne Mari Torgersen
- 0910 **Discussion**
- 0920 **Twin Studies Using Objective Observations of Temperament and  
Personality**  
Robert Plomin
- 0940 **Assessment of Temperament in Twin Children:  
A Reconciliation Between Structured and Naturalistic Observations**  
Adam P. Matheny
- 1000 **Discussion**

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**Coffee Break**

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**4B SYMPOSIUM: TWIN RESEARCH IN CORONARY  
HEART DISEASE**

Chairman: **Kare Berg**

- 1020 **Twin Research in Coronary Heart Disease**  
Kare Berg
- 1040 **Humoral and Renal Response to Sodium Loading and Depletion  
Demonstrate Genetic Variance in Normotensive Man**  
C.E. Grim, M.H. Weinberger, J.Z. Miller, J.C. Christian, R.J. Rose,  
D.P. Henry, F.C. Luft
- 1100 **Comparisons of Coronary Heart Disease Risk Factors in Monozygotic and  
Dizygotic Twins by Chorion Type**  
I. Uchida, M. Feinleib, J.C. Christian
- 1120 **Session adjourns at 1400**

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- 1200 **The President's Residence:  
Reception by the President of Israel, Mr. Isaac Navon**
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Thursday 19 June: Concurrent Sessions

**4B SYMPOSIUM: CORONARY HEART DISEASE**

*Contd.*

1400 **Weight Changes in Adult Twins**  
R. Fabsitz, M. Feinleib, Z. Hrubec

1420 **Discussion**

**4D BIOLOGY OF TWINNING - II**

Chairman: **Isaac Halbrecht**

**4E TWIN RESEARCH IN AGING AND CANCER**

Chairman: **M.S. Honeyman**

1445

**Zygoty-Related Differences in Integrity of Developmental Relationships**

C.E. Boklage, R.C. Elston, R.H. Potter, D.F. Laux

**A Longevity Study of Twins in the Mormon Genealogy**

D. Carmelli, S. Andersen, M. Skolnick

1500

**4C WORKSHOP: PSYCHOSOCIAL FACTORS IN CARDIOVASCULAR DISEASE**

Co-Chairmen: M. Feinleib and E. Kringlen

**Placentation Effects on Cognitive and Personality Resemblance of Adult Monozygotes**

R.J. Rose, I.A. Uchida, J.C. Christian

**Familial Factors in Deaths Before Age 62: 30 Years of Follow-up Among Twins Aged 51 to 61 Years in 1978**

Z. Hrubec, J.V. Neel

1515

**Stress and Coronary Heart Disease**  
Einar Kringlen

**Maternal Effects on Birthweight in Children of Monozygotic Twins**

W.E. Nance, L.A. Corey, M.C. Phelan, R.M. Cantor

**Incidence of Childhood Cancer in Twins**

Merton S. Honeyman

Thursday 19 June: Concurrent Sessions

**4C PSYCHOSOCIAL  
FACTORS IN  
CARDIOVASCULAR  
DISEASE**  
*Contd.*

1530

**Panel Discussion on:**  
—Psychosocial Risk Scales  
—Cigarette Smoking Habits  
—Socialization Patterns in Twins  
—Type A Coronary-Prone  
Behavior  
**Participants:**  
M. Feinleib, E. Kringslen,  
G.D. Friedman, M. Koskenvuo,  
J. Milner, R.J. Rose

**4E TWIN RESEARCH  
IN AGING AND  
CANCER**  
*Contd.*

**Cancer in Adult Like-Sexed  
Twins**  
J. Kaprio, L. Teppo,  
M. Koskenvuo, E. Pukkala

**4D BIOLOGY OF  
TWINNING - II**  
*Contd.*

**Body Size in Monozygotic Twin  
Kinships**  
L.A. Corey, W.E. Nance,  
J. Agnew, P.M. Winter

1545

**A Study of Mirror Imaging in  
Twins**  
L. Gedda, G. Brenci, R. Ziparo,  
C. Talone

**Cancer Study in the Danish  
Twin Population**  
Niels V. Holm



|      | Coffee Break  |   |
|------|---|---|
| 1600 |   |   |
| 1615 | <p><b>Excess Lethandedness in Twins and Parents of Twins</b><br/>Charles E. Boklage</p>               | <p><b>Cancer Incidence in Mothers of Dizygotic Twins</b><br/>Grace Wyshak</p> |
| 1630 | <p><b>On the Timing of Monozygotic Twinning Events</b><br/>Charles E. Boklage</p>                     | <p><b>General Discussion</b></p>  |
| 1645 | <p><b>Conjoined Twins: A Case Study</b><br/>K. Fried, V. Lipniskaya, E. Caspi</p>                     |   |
| 1730 | <p><i>MEETING OF THE ENTERING BOARD (1981-1983) OF THE INTERNATIONAL SOCIETY FOR TWIN STUDIES</i></p> |   |

Evening Free

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Friday 20 June

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**5A SYMPOSIUM: TWIN RESEARCH IN SMOKING,  
DRINKING, AND SUBSTANCE ABUSE**

Co-Chairmen: **Zdenek Hrubec and Marc A. Schuckit**

0830 **An Overview of Twin Studies: The Road to Prospective Investigations**  
Marc A. Schuckit

0845 **Adoption Studies of Alcoholism**  
Donald W. Goodwin

0900 **Discussion**

0915 **Genetics of Psychomotor Performance Under Alcohol**  
Nicholas G. Martin

0930 **Behavioral and Biological Pharmacogenetics of D-Amphetamine**  
Elliot S. Gershon

0945 **Discussion**

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1000 **Coffee Break**

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1015 **Familial Resemblance for Usage of Common Drugs**  
Nancy L. Pedersen

1030 **Cigarette Smoking, Use of Alcohol, and Leisure-Time Physical Activity in  
Adult Like-Sexed Male Twin Pairs**  
J. Kaprio, M. Koskenvuo, S. Sarna

1045 **The Influence of Psychosocial Status on the Relationship Between Smoking  
and Disease**  
Birgitta Floderus-Myrhed, Rune Cederlöf

1100 **Discussion**

1120 **5B Closing Session**

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1200 **Mount of Olives:  
Opening Ceremony of the Luigi Gedda Institute  
Reception**

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