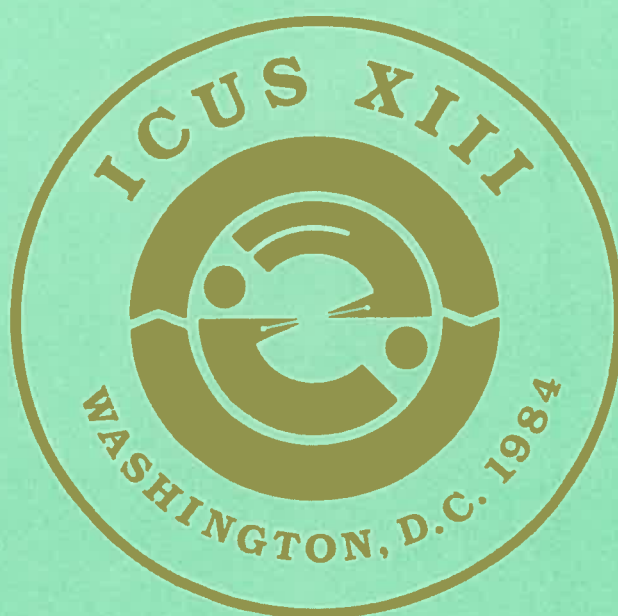

***Absolute Values
and
The New Cultural Revolution***



***Thirteenth International Conference
on the
Unity of the Sciences***

Welcome to ICUS XIII. While the chairmanship of this conference is a formidable task, I have been greatly sustained and supported by the ICUS Secretariat, whose strenuous and devoted efforts are a prerequisite for success. I am deeply grateful to them all.

I have also been encouraged and impressed by the work of the many academic participants I have met during the year, especially the committee chairmen. In an effort to make the work of each committee integrated and meaningful, we have had many stimulating discussions at pre-ICUS meetings throughout the world. I am confident this advance work will bear fruit in a truly valuable exchange of views, enabling us to break genuinely new intellectual ground.

However, it is not enough to hold an interesting conference. To be successful, there should be an outward thrust, an impact, through publications, and other means of dissemination, on academic opinion and international thought.

ICUS is perhaps the only conference able to assemble worldwide scholars and researchers from all disciplines, nations and faiths, with complete freedom of thought and expression. Our aim, though it is ambitious, must be to mobilize our resources of vision, intellect, imagination and integrity in the service of mankind. It is my earnest hope that this should be our goal so that we can push forward the boundaries of creative thought and match opportunity with achievement.



Kenneth Mellanby
Organizing Chairman
ICUS XIII

Welcome to the capitol city of the USA!

Washington, D.C. represents both the inspired vision of a new world founded on belief in inalienable rights granted individuals by their Creator and the awesome reality of the struggle to create and maintain governments consistent with that belief.

"Absolute Values and the New Cultural Revolution," the theme of this year's ICUS, challenges the world academic community to consider both vision for the future as well as concern for present reality.

A hallmark of ICUS is the deep sharing of personal values among scholars who otherwise may seldom find a forum to express such views to their colleagues. The resolution of world problems today urgently requires such communication.

Our ICUS staff is here to serve you in every way to assure the greatest possible experience of intellectual creativity and fruitful dialogue. If you need assistance, please contact our ICUS Headquarters in the Hart/Cannon Room on the M level or any of our staff.



Neil Albert Salonen
President
ICF

Thirteenth International Conference on the Unity of the Sciences
September 2-5, 1984 The J.W. Marriott Hotel, Washington, D.C.

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Thirteenth ICUS Chairmen's Board



Conference Chairman

Kenneth Mellanby

*Director Emeritus
Monk's Wood Experimental Station
Huntingdon, England*



Conference Vice-Chairman

Alexander King

*Chairman
International Federation of
Institutes for Advanced Study
Paris, France*



Conference Vice-Chairman

Claude A. Villee, Jr.

*Andelot Professor of Biological Chemistry
Laboratory of Human Reproduction and
Reproductive Biology
Harvard University Medical School
Boston, Massachusetts*



Plenary Speaker "Values in Science"

Alvin M. Weinberg

*Director, Institute for Energy Analysis
Oak Ridge Associated Universities
Oak Ridge, Tennessee*



Plenary Speaker "Unity of the Sciences"

Eugene P. Wigner

*Emeritus Professor of Physics
Princeton University
Princeton, New Jersey*

Committee I

Unity of the Sciences

Honorary Chairman
Alvin M. Weinberg

*Director, Institute for Energy
Analysis
Oak Ridge Associated
Universities
Oak Ridge, Tennessee*

Organizing Chairman
Gerard Radnitzky

*Professor of Philosophy of
Science
University of Trier
West Germany*

Committee II

Theoretical Empiricism: A General Rationale for Scientific Model-Building

Honorary Chairman
Enders A. Robinson

*Distinguished Professor
of Geophysics
Tulsa University
Oklahoma*

Organizing Chairman
Herman Wold

*Professor of Statistics
University of Uppsala
Sweden*

Committee III

Human Beings and the Urban Environment: The Future Metropolis

Honorary Chairman
Percy Johnson-Marshall

*Head, Department of Urban
Design and Regional
Planning
University of Edinburgh
Scotland*

Organizing Chairman
Ervin Y. Galantay

*Professor of Urban Planning
Swiss Federal Institute of
Technology
Lausanne, Switzerland*

Committee IV

Crises in Education in the 1980's: A Survey of Educational Values and Systems

Honorary Chairman
John W. Ryan

*President
Indiana University
Bloomington, Indiana*

Organizing Chairman
Nobuyuki Fukuda

*President
University of Tsukuba
Tokyo, Japan*

Committee V

The Ocean in Human Affairs

Honorary Chairman
Athelstan Spilhaus

*President
PanGeo
Middleburg, Virginia*

Organizing Chairman
S. Fred Singer

*Professor of Environmental
Sciences
University of Virginia
Charlottesville, Virginia*

Committee VI

Spirit and Science: Imaginary and Reality

Chairman

Jean E. Charon

*Theoretical Physicist
University of Paris
Director, Center of Research on Complex
Relativity and Relations to Consciousness
Villebon-sur-Yvette, France*

Committee VII

The Search for Global Ideology

Chairman

Frederick E. Sontag

*Professor of Philosophy
Pomona College
Claremont, California*

Co-Chairman

George I. Mavrodes

*Professor of Philosophy
University of Michigan
Ann Arbor, Michigan*

Co-Chairman

Paul W. Sharkey

*Associate Professor
Department of Philosophy
and Religion
University of Mississippi
Hattiesburg, Mississippi*

Agenda

Thirteenth International Conference on the Unity of Sciences

**September 2–5, 1984
J.W. Marriott Hotel
Washington, D.C.**



The Symbol of ICUS

The symbol of ICUS employs at its center the symbol of ICF. The symbol of ICUS portrays the give and take relation and interdependence between all phenomena, symbolized by two circular arrows. The form of a man and woman, which also symbolizes the unity of "heaven and earth" or the spiritual and material cultures, revolve around a common center, or standard of value. The extended arms represent the tips of writing pens, since writing is the medium of cultural expression and interaction.

Sunday—September 2

10:00 am Registration Opens on M Level
12:00– Buffet Luncheon, to be held in
3:00 pm Grand Ballroom, Salon I (B level)

7:30 pm Welcoming Reception
Grand Ballroom, Salons I & II (B level)

Monday—September 3

7:00 am Breakfast
Grand Ballroom, Salon I (B level)

9:00 am Opening Plenary Session
—"Founder's Address," Introductions
Grand Ballroom, Salon II, III & IV (B level)

10:30 am Refreshment Break
Lobby (B level)

11:00 am Plenary Address: "Values in Science"
Alvin M. Weinberg
Grand Ballroom, Salons III & IV (B level)

1:00 pm Luncheon
Grand Ballroom, Salons I & II (B level)

3:00 pm SESSION I—Individual Committee
Meetings
Commerce, Treasury, State, Longworth,
Dirksen, Justice, Rayburn (M level)

4:30 pm Refreshment Break
Lobby (M level)

5:00 pm SESSION I—Individual Committee
Meetings (continued)
Commerce, Treasury, State, Longworth,
Dirksen, Justice, Rayburn (M level)

7:00 pm DINNER
Grand Ballroom, Salons I & II (B level)

Tuesday—September 4

-
- 7:00 am Breakfast**
Grand Ballroom, Salons I & II (B level)
-
- 9:00 am Plenary Address: “Unity of the Sciences,” Eugene P. Wigner**
Grand Ballroom, Salons III & IV (B level)
-
- 10:00 am Refreshment Break**
Lobby (B level)
-
- 10:30 am Session II—Individual Committee Meetings**
Commerce, Treasury, State, Longworth, Dirksen, Justice, Rayburn (M level)
-
- 12:30 pm Luncheon**
Grand Ballroom, Salons I & II (B level)
-
- 2:00 pm Session III—Individual Committee Meetings**
Commerce, Treasury, State, Longworth, Dirksen, Justice, Rayburn (M level)
-
- 3:30 pm Refreshment Break**
Lobby (M level)
-
- 4:00 pm Session III—Individual Committee Meetings (continued)**
Commerce, Treasury, State, Longworth, Dirksen, Justice, Rayburn (M level)
-
- 6:00 pm Dinner**
Grand Ballroom, Salons I & II (B level)
-
- 8:00 pm Session IV—Individual Committee Meetings**
Commerce, Treasury, State, Longworth, Dirksen, Justice, Rayburn (M level)
-

Wednesday—September 5

-
- 7:00 am Breakfast**
Grand Ballroom, Salons I & II (B level)
-
- 9:00 am Session V—Individual Committee Meetings**
Commerce, Treasury, State, Longworth, Dirksen, Justice, Rayburn (M level)
-
- 11:00 am Refreshment Break**
Lobby (M level)
-
- 11:30 am Committee Summary Sessions —Simultaneous meetings for all committees to prepare for Closing Plenary Session**
Commerce, Treasury, State, Longworth, Dirksen, Justice, Rayburn (M level)
Survey Committees Capitol Ballroom, Salons B and F (B level)
-
- 12:30 pm Luncheon**
Grand Ballroom, Salons I & II (B level)
-
- 2:30 pm Closing Plenary Session — 10-minute substantive report by each committee**
Capitol Ballroom, Salons E & F (B level)
-
- 5:00 pm Refreshment Break**
Lobby (B level)
-
- 6:30 pm Pre-Banquet Reception**
Lobby (B level)
-
- 7:00 pm Farewell Banquet and Entertainment**
Grand Ballroom, Salons I, II, III & IV (B level)
-

Thursday—September 6

-
- 5:00 am Continental Breakfast (early departure)**
Capitol Ballroom, Salon F (B level)
-
- 7:00 am Breakfast**
Capitol Ballroom, Salon F (B level)
-

Committee I

Unity of the Sciences

Is the apparent disunity of the sciences simply the practical cost of specialization? Or are there *theoretical* barriers to scientific unity? This year the committee continues the exploration of these themes which it opened last year. The focus of attention now shifts, however, to the manifold problems of scientific reduction. Are there any *fully* successful cases of scientific reduction? Is the aim of reduction simply of methodological or heuristic value? Or is a deeper ontological or meta-

physical reduction essential to scientific unity? While discussing these issues, special attention will be paid to ongoing controversies surrounding the reduction of chemistry to quantum mechanics, the problems of emergence, the relations between body and mind, and attempts to explain social phenomena in psychological terms, and historical phenomena in psychological and sociological terms. Case studies will be introduced to illuminate these controversies.



Honorary Chairman
Alvin M. Weinberg
*Director, Institute
for Energy Analysis
Oak Ridge Associated
Universities
Oak Ridge, Tennessee*



Organizing Chairman
Gerard Radnitzky
*Professor of Philosophy
of Science
University of Trier,
West Germany*

Session 1

Monday, September 3, 1984/3:00–6:30 pm

**1. The Problem of
Inter-Theoretic
Relations:
A Methodological
Introduction**

Noretta Koertge
*Professor of Philosophy
of Science
Indiana University
Bloomington, Indiana*

Discussant
Walter B. Weimer
*Professor of Psychology
Pennsylvania State
University
University Park,
Pennsylvania*

**2. Reductionism in
Biology and in the
Social Sciences**

Werner Leinfellner
*Professor of Philosophy
University of Vienna
Editor-in-Chief of the
International Journal of
Theory and Decision
Austria*

Discussant
Laurence B. Briskman
*Professor of Philosophy
Edinburgh University
Scotland*

**3. Reduction and
Emergence in the
Unified Theories
of Physics**

Bernulf Kanitscheider
*Professor for the Philosophy
of Science
Center for Philosophy
University of Giessen
West Germany*

Discussants
Max Jammer
*President
Association for the
Advancement of Science in
Israel
Jerusalem, Israel*

Hidetake Kakihana
*Director
Institute of Plasma Physics
Nagoya University
Nagoya, Aichi Prefecture
Japan*

Session 2

Tuesday, September 4, 1984/10:30 am–12:30 pm

**4. Can We Reduce
Chemistry
to Physics?**

Hans Primas
*Professor of Physical
Chemistry
Swiss Federal Institute of
Technology
Zurich, Switzerland*

5. Order and Chaos

Roman Sexl
*Professor of Physics
Institute for Theoretical
Physics
University of Vienna
Austria*

Discussant
Erwin Schopper
*Emeritus Professor of Physics
University of Frankfurt
West Germany*

Session 3

Tuesday, September 4, 1984/2:00–5:30 pm

**6. A Biomedical
Researcher Casts a
Side-Glance at
the Principle of
Self-Organization**

Alexandre Petrovic
Research Director
National Institute of Health
and Medical Research
Strasbourg, France

Discussant
Karoly Akos
Head, Research Group
on Psychochronography
Department of Aviation
Medicine
National Institute of Medical
Experts
Budapest, Hungary

**7. Mind and Brain:
Reduction or
Correlation?**

Percy Lowenhard
Associate Professor
Department of Psychology
University of Göteborg
Sweden

Discussant
Franz M. Wuketits
Professor of Philosophy
of Science
University of Vienna
Austria

**8. The Individualistic
Research Program
in Sociology**

Karl-Dieter Opp
Professor of Sociology
University of Hamburg
West Germany

Discussant
Angelo Maria Petroni
Centro "Luigi Einaudi"
Torino, Italy

Session 4

Tuesday, September 4, 1984/8:00–10:00 pm

**9. Explanation,
Interpretation and
Understanding in the
Social Sciences**

Raymond Boudon
Professor
University of Paris-Sorbonne
France

Discussants
Per Sorbom
Associate Professor of History
of Science and Ideas
Department of History
Sciences
University of Uppsala
Sweden

Alain Boyer
Professor
University of
Clermont-Ferrand
Paris, France

**10. Explanation
in History**

Peter Munz
Professor of History
Victoria University of
Wellington
New Zealand

Discussant
Eileen Barker
Professor of Sociology
London School of Economics
and Political Science
England

Session 5

Wednesday, September 5, 1984/9:00–11:00 am

**11. Explanation,
Reduction and the
Sociological Turn in
the Philosophy of
Science, or Kuhn as
Ideologue for
Merton's Theory
of Science**

Ian C. Jarvie
Professor of Philosophy
York University
Downsville, Canada

Discussant
Michael Cavanaugh
Coadjutant Professor
of Sociology
Rutgers University
Camden, New Jersey

Committee II

Theoretical Empiricism: A General Rationale for Scientific Model-Building

Human knowledge as established by scientific model-building is a synthesis of theoretical knowledge, T, and empirical knowledge, E. Scientific models are built in three stages: (i) model specification, giving E in terms of T; (ii) model estimation, giving T in terms of E; (iii) model evaluation, measuring the matching of T and E. The scientific community shows plenty of consensus on (i–iii) but also legion of controversies and partings of the ways. The unity of the sciences can be seen as the least common denominator of (i–iii).

In developing the rationale of scientific model-building we focus on path models with manifest or latent variables, and on their estimation by FP (Fix-Point) and PLS (Partial Least Squares) methods, a two-file avenue of broad scope in theory and practice. Several partings of the ways are discussed, including prediction accuracy v. parameter accuracy; LS (Least Squares) v. ML (Maximum Likelihood) methods of estimation and model evaluation; prediction v. modeling of correlation or covariance matrices.

FP and PLS are recent LS methods which break away from the ML mainstream of contemporary (i.e. since 1950) statistics. FP and PLS have drastically reduced the distance and thereby the tension between statistical theory and substantive research which is a Toynbeeian enormity in the ML mainstream. An array of FP and PLS applications are reported, some of them first-timers showing the leading position of FP and PLS when it comes to large complex systems.

Human knowledge is a loosely knit network of scientific models. Around each model and its active research frontier there is a gray zone where human knowledge is enriched and science is inspired by quasiscientific approaches, often interdisciplinary, often tentative or speculative. Philosophy and the arts are indispensable agents in the gray zone. ICUS, unique as an open forum for interdisciplinary discussion of important problems, has great potentials in the gray zone, potentials for fruitful promotion of scientific endeavours.



Honorary Chairman
Enders A. Robinson
*Distinguished Professor of
Geophysics
Tulsa University
Oklahoma*



Organizing Chairman
Herman Wold
*Professor of Statistics
University of Uppsala
Sweden*

Session 1

Monday, September 3, 1984/3:00–6:30 pm

1. The Basic Principles of Model Building

Jan-Bernd Lohmoeller
*Assistant Professor
Center for Social Research
Free University of Berlin
West Germany*

Discussants

Francisco Azorin Poch
*Professor of Mathematical
Statistics
Autonomous University of
Madrid, Spain*

G. Edward Njock
*Professor of Mathematical
Faculty of Sciences
University of Yaounde
Cameroon*

2. The Blending of Theoretical and Empirical Knowledge in Structural Equations with Unobservables

Claes Fornell
*Professor of Marketing
Graduate School
of Business Administration
University of Michigan
Ann Arbor, Michigan*

Discussants

Ray Pawson
*Department of Sociology
University of Leeds
United Kingdom*

Thomas Brante
*Associate Professor
Department of Sociology
University of Lund
Sweden*

Session 2

Tuesday, September 4, 1984/10:30 am–12:30 pm

3. Evaluation of School Systems Using Partial Least Squares (PLS): An Application in the Analysis of Open Systems

Richard Noonan
*Associate Professor of
Education
University of Stockholm
Sweden*

Discussants

Norbert Sellin
*Senior Researcher
Department of Comparative
Education
University of Hamburg
West Germany*

Josef Rogowski
*Econometrician
Institute of Economic Sciences
Warsaw University—Branch
at Bialystok
Bialystok, Poland.*

**4. Estimation of
RE-Models and Some
Remarks on Model
Specification in
Econometrics**

Bernd Schips
Department of Econometrics
Hochschule St. Gallen
St. Gallen, Switzerland

Discussants
John F. Muth
Professor of Production
Management
School of Business
Indiana University
Bloomington, Indiana

Dr. Sidney May
Econometrician
Ottawa, Canada

Session 3

Tuesday, September 4, 1984/2:00–5:30 pm

**5. Scientific Model-
Building: Principles,
Methods and History**

Camilo Dagum
Professor of Economics
Faculty of Social Sciences
University of Ottawa
Canada

Discussants
Georg Sussman
Professor of Theoretical
Physics
University of Munich
West Germany
Jan Kryspin
Assistant Professor
Department of Physiology
and Family Medicine
University of Toronto
Canada

**6. Blood Flow in the
Brain, and Adulthood
Aging of Cognitive
Functions**

John Horn
Professor of Psychology
University of Denver
Colorado

Discussants
John Gruzilier
Reader in Psychology
Charing Cross
Westminster Medical School
University of London
England

Abraham S. Luchins
Professor of Psychology
State University of New York
Albany, New York

General Discussion

Session 4

Tuesday, September 4, 1984/8:00–10:00 pm

**7. Soft Modeling and
the Measurement of
Biological Shape**

Fred L. Bookstein
Associate Professor of
Radiological Sciences and
Statistics
University of Michigan
Ann Arbor, Michigan

Discussants
Manfred Kochen
Information Scientist
University of Michigan
Ann Arbor, Michigan

Jerome Friedman
Department of Statistics
Stanford University
Stanford, California

**8. Soft and Other
Modeling of
Categorical Variables
and Contingency
Tables**

H. Joerg Henning
Professor of Psychology
University of Bremen
West Germany

Discussant
Kim Carney
Professor of Economics
University of Texas
Arlington, Texas

Session 5

Wednesday, September 5, 1984/9:00–11:00 am

**9. Strategy of and
for Science**

Wayne R. Gruner
Writer and Technical
Consultant
Bethesda, Maryland

Discussant
Werner Meissner
Professor of Economics
Fachbereich
Wirtschaftswissenschaften
Johann Wolfgang von Goethe
University
Frankfurt, West Germany

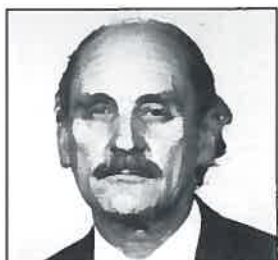
General Discussion

Committee III

Human Beings and the Urban Environment: The Future Metropolis

The large metropolis is a recent historical phenomenon—in 1900 only four cities had more than two-million inhabitants. By the year 2000 there will be at least sixty metropolitan agglomerations with populations exceeding five million people and a combined population of 650 million. Numerous twenty-million-plus cities are emerging in less-developed countries. There is a concern that cities of this size become unmanageable. Some problems of the metropolis are directly size-related and thus similar worldwide. Other problems are specific to certain regions. In most economically advanced countries metropolitan areas are confronted with regression phenomena: loss of population linked

to the moving out of jobs and of capital. By contrast, in less-developed countries the primate cities are growing even in the face of manifest diseconomies of gigantism and their unhealthy impact on the national urban system. This committee will review the problems of the large metropolis world-wide and conjecture about future development within the time-frame of the next thirty years. Particular attention is paid to the limits of rational planning; the influence of societal values on shaping urban structure; and the impact of the size and pattern of the metropolis on the quality of life and on social stability.



Honorary Chairman
Percy Johnson-Marshall
*Head, Department of
Urban Design and
Regional Planning
University of Edinburgh
Scotland*



Organizing Chairman
Ervin Y. Galantay
*Professor of Urban Planning
Swiss Federal Institute of
Technology
Lausanne, Switzerland*

Session 1

Monday, September 3, 1984/3:00–6:30 pm

- | | | |
|---|---|--|
| 1. The Metropolis in its National and Regional Context | Denis John Dwyer <i>Head Department of Geography University of Keele Staffordshire, England</i> | Discussant Ervin Laszlo <i>Director UNITAR New York, New York</i> |
| 2. The Metropolis and Tropical Africa | Anthony O'Connor <i>Geography Department University College London, England</i> | Discussant Ervin Laszlo <i>Director UNITAR New York, New York</i> |
| 3. Toward Megalopolis | Panayis Psomopoulos <i>Director Athens Center of Ekistics Athens, Greece</i> | Discussants Dudley Leaker <i>Past Executive Director Milton Keynes Development Corp. Head, New Town Research Unit Open University Church Stretton, England</i> William Mackay <i>Partner Jamieson Mackay and Partners Consulting Civil, Structural and Transportation Engineers Glasgow, Scotland</i> |
| 4. The World System of Cities in Transformation | John W. Dyckman <i>Director John Hopkins Center for European Planning and Research Region Nord/Pas de Calais France</i> | Discussants Anthony Penfold <i>Chairman Planning Department Central University of Venezuela Caracas, Venezuela</i> Glen Gallagher <i>Director, Gallagher Arup Samson, Inc. Economists, Planners, Architects & Engineers Chief Planner of Arandis New Town, South Africa</i> |

Session 2

Tuesday, September 4, 1984/10:30 am–12:30 pm

5. The European Metropolis

Klaus Mueller-Ibold
Professor of Town and
Regional Planning
Bureau Member of
International Federation of
Housing and Planning
Hamburg, West Germany

Discussants

Michel Bassand
Head of Department of
Architecture
Swiss Federal Institute
of Technology
Lausanne, Switzerland

Adriaan Constandse
Head Socio-Economic
Research Department
Ijsselmeer Development Auth.
Lelystad, Netherlands

6. The North American Metropolis

Rebecca Robertson
Senior Planner
New York City Planning
Commission
New York, New York

Discussants

Hans Blumenfeld
Professor Emeritus Urban
and Regional Planning
University of Toronto
Ontario, Canada

Adam Krivatsy
Principal
the HKS Collaborative
San Francisco, California

Session 3

Tuesday, September 4, 1984/2:00–5:30 pm

7. The Latin American Metropolis

Dieter Kunckel
Professor of Urban Design
Simon Bolivar University
Director of Interplanconsult
Caracas, Venezuela

Discussants

**Geraldo Nogueira Sa
Batista**
Ministry of Housing
and Urban Development
Brazilia, D.F. Brazil

**Elias Gomez Azcarate
Ramirez**
Dir. of Budget, Urban Transport
and Communications
Ministry for Planning and
Budgeting, Mexico, D.F.

8. The Asian Metropolis

Peter Wyss
Director, Asian Region
Electrowatt Engineering
Service, Ltd.
Manila, Philippines

Discussants

Tao Ho
Principal of TAOHO Design
Architects
Hon. Lecturer of Architecture
& Fine Arts
Univ. of Hong Kong

Sumet Jumsai
Director
S.J. Associates-Planners
Bangkok, Thailand

9. The Metropolis in Islamic Countries

Cyrus Mechkat
Professor
School of Architecture
University of Geneva
Switzerland

Discussants

Abdulaziz Saqqaf
Chairman, Dept. of Economics
Sana'a University
Yemen Arab Republic

Ferenc Vidor
Professor in Urban
and Regional Planning
Budapest, Hungary

Session 4

Tuesday, September 4, 1984/8:00–10:00 pm

10. The Metropolis in Socialist Countries

Ferenc Vidor
Professor in Urban
and Regional Planning
Advisor of the Hungarian
Academy of Sciences
Budapest, Hungary

Discussants

Krzysztof Pawlowski
Vice-President
International Council
on Monuments and Sites
Montepelier, France

Milos Perovic
Director
Novi-Beograd Development
Authority
Novi-Beograd, Yugoslavia

11. Utopian Paradigms of Metropolis

Kiyonori Kikutake
Lecturer
Tokyo & Waseda Universities
President, Kikutake
Architects & Assocs. Japan

Discussants

Paolo Soleri
President
Cosanti Foundation
Scottsdale, Arizona

J. Martin Ramirez
Professor of Psychology
University of Sevilla
Spain

Session 5

Wednesday, September 5, 1984/9:00–11:00 am

12. General Discussion—Value Determinants of Metropolitan Planning

Committee IV

Crises in Education in the 1980's: A Survey of Educational Values and Systems

The broad representation of educational experts in this committee makes possible a general survey of the problems within educational systems around the world. The committee will attempt to indicate the cultural values influencing principles and practices of education in the various areas. The sudden arrival of the age of science and technology, of information, internationalization, and their relationship with education should also be considered.

The mere examination and comparison of existing systems is inadequate at this time. A thorough reassessment of fundamental issues recognized to be common to most countries, such as the over-emphasis on intellectual subjects, the lack of value education, or the weakening of family education is being called for. This committee will explore forms of feasible international cooperation to present concrete solutions to outstanding problems.



Honorary Chairman
John W. Ryan
President
Indiana University
Bloomington, Indiana



Organizing Chairman
Nobuyuki Fukuda
President
University of Tsukuba
Tokyo, Japan

Session 1

Monday, September 3, 1984/3:00–6:30 pm

1. The Japanese Educational Challenge

William K. Cummings
Professor of Sociology
East-West Center
Honolulu, Hawaii

Discussant

Jean-Francois Sabouret
Researcher, Research Center
on Contemporary Japan
E.H.E.S.S., Ministry of Education
France

2. Continuity and Change in Mid-Nineteenth Century Japanese Education

Richard Rubinger
Associate Professor of
Japanese
Department of Asian
Languages
U. of Hawaii, Honolulu

Discussant

Woong Sun Hong
President
Duk Sung Women's College
Seoul, Korea

3. Higher Education and Working Women in the United States and Japan

Katz Takeda
Professor of Comparative
Literature
Waseda University
Japan

Discussant

Tamotsu Sengoku
Director
Japan Youth Research
Institute
Tokyo, Japan

Session 2

Tuesday, September 4, 1984/10:30 am–12:30 pm

4. The School in an Achievement-Oriented Society: Crisis and Remedies

Torsten Husen
Professor and Director
Institute of International
Education
University of Stockholm
Sweden

Discussant

Edward Beauchamp
Professor of Historical &
Comparative Education Studies
University of Hawaii at Manoa
Honolulu

5. Ecological vs. Purely Functional Concepts in Education and Educational Policy

Klaus Schleicher
Professor and Director
Institute of Comparative
Education
University of Hamburg
West Germany

Discussant

Willy Wielemans
Professor of Educational
Sciences
Catholic University
Louvain, Belgium

Session 3

Tuesday, September 4, 1984/2:00–5:30 pm

- | | | | |
|--|---|--|---|
| 6. Educational Development in the Asian Countries: Issues and Coping Strategies | Wei-Fan Kuo <i>President National Taiwan Normal University Chinese Taipei</i> | Discussants Mitsuyuki Masatsugu <i>Managing Director Management International, Inc. Tokyo, Japan</i> | Sang Ho Chang <i>Vice President Dankook University Seoul, Korea</i> |
| 7. Educational Values and Hopes for Universal Basic Education in Africa | John Oxenham <i>Fellow in Education and Development Institute of Development Studies University of Sussex England</i> | Discussant Abel G.M. Ishumi <i>Professor of Educational Sociology University of Dar Es Salaam Tanzania</i> | |
| 8. Difficulties in Educational Development in South Asia | Toshio Toyoda <i>Senior Researcher Institute of Developing Economies Tokyo, Japan</i> | Discussant Marcelo Alonso <i>Executive Director, FITRE Florida Institute of Technology and Research Melbourne, Florida</i> | |

Session 4

Tuesday, September 4, 1984/8:00–10:00 pm

- | | | | | |
|---|--|--|--|---|
| 9. Education and Instruction in Romania | Radu I.C. Bogdan <i>Ambassador to Japan Former President Brasov University Romania</i> | Discussants Wolfgang Mitter <i>Director and Professor of German Institute for International Educational Research Frankfurt, West Germany</i> | Tamas Kozma <i>Head of Department Policy & Research Planning Hungarian Institute of Educational Research Budapest, Hungary</i> | Alexander Shtromas <i>Reader in Politics University of Salford United Kingdom</i> |
| 10. Education in China: The Present Situation and Counter Measures | Debao Li <i>Associate Professor Department of Plant Protection Zhejiang Agri University Hangzhou, Zhejiang Peoples Republic of China</i> | | | |

Session 5

Wednesday, September 5, 1984/9:00–11:00 am

- | | | | | |
|--|--|---|--|---|
| 11. University International Cultural Relations: What Lies Ahead? | John W. Ryan <i>President Indiana University Bloomington, Indiana</i> | Discussants James W. Cowan <i>Director International Programs and Studies Office NASULGC Washington, D.C.</i> | John V. Lombardi <i>Dean International Programs Professor of History Indiana University Bloomington, Indiana</i> | |
| 12. The International Flow of Students: A Vehicle for International Cooperation and Cross-Cultural Understanding? | Viswanathan Selvaratnam <i>Director Regional Institute of Higher Education and Development Singapore</i> | Discussants Anatol Pikas <i>Professor of Education Pedagogiska Institution Uppsala, Sweden</i> | Arifin Bey <i>Vice-Rector Bung Hatta University Indonesia</i> | Se Won Yoon <i>Professor of Physics Kyung Hee University Seoul, Korea</i> |

Committee V

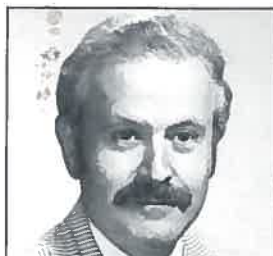
The Ocean in Human Affairs

The planet Earth is alone in the solar system in possessing a water ocean and living things. The existence of this ocean may be responsible for the evolution of life and of mankind. Throughout the history of the planet, the ocean has determined the Earth's climate, as it still does today. The ocean has assumed increasing economic importance, as an avenue of commerce and as the source of fisheries and minerals for an

increasing human population. It also provides a frontier of exploration on this planet—ocean research and ocean technology have increased to meet that challenge. Finally, and inevitably, the ocean's importance in human affairs throughout history has led to increased international attention to the management of the ocean and its resources.



Honorary Chairman
Athelstan Spilhaus
President
PanGeo
Middleburg, Virginia



Organizing Chairman
S. Fred Singer
Professor of
Environmental
Sciences
University of Virginia
Charlottesville, Virginia

Session 1—History and Evolution of Earth and Ocean

Monday, September 3, 1984/3:00–6:30 pm

1. Early History of Earth and Ocean

S. Ishtiaque Rasool
Distinguished
Visiting Scientist
Jet Propulsion Laboratory
California Institute of
Technology
Pasadena, California

Discussant
J.N. Nanda
Professor of Physics
Punjab University
Chandigash
India

2. The Ocean as the Cradle of Life

Cyril Ponnampерuma
Professor of Chemistry
Director, Laboratory of
Chemical Evolution
Department of Chemistry
University of Maryland
College Park, Maryland

Discussants
Gerald Soffen
Chief, Applications Systems
Analysis, Office
Applications Directorate
Goddard Space Flight Center
Greenbelt, Maryland

Claude A. Villee, Jr.
Andelot Professor of
Biological Chemistry
Laboratory of Human
Reproduction and
Reproductive Biology
Harvard University Medical
School
Boston, Massachusetts

3. Bio-geochemical Cycles in the Ocean

Abraham Lerman
Professor
Department of Geological
Sciences
Northwestern University
Evanston, Illinois

Session 2—Ocean-Atmosphere Interaction

Tuesday, September 4, 1984/10:30 am–12:30 pm

4. Long-Term Climate Control

H. Oeschger
Professor
Physics Institute
University of Bern
Bern, Switzerland

Discussant
Joel Gat
Professor of Geochemistry
Weizman Institute
Rehovoth
Israel

**5. Ocean Control of
Atmospheric
Processes**

Eric B. Kraus
Professor Emeritus and
Senior Research Associate
CIRES
University of Colorado
Boulder, Colorado

Discussants
Hugh W. Ellsaesser
Physicist
Lawrence Livermore
National Laboratory
Livermore, California

Helmut Landsberg
Professor Emeritus
Institute for Physical Science
and Technology
University of Maryland
College Park, Maryland

Session 3—Ocean Research and Technology

Tuesday, September 4, 1984/2:00–5:30 pm

**6. Underwater
Exploration**

Don Walsh
Professor of Ocean
Engineering
Institute for Marine
and Coastal Studies
University of Southern
California
Los Angeles, California

Discussant
Jacques Piccard
President
Foundation for the Study
and Protection of Sea and
Lakes
Cully, Switzerland

7. Ocean Observations

Robert Abel
President
New Jersey Marine Science
Consortium
Fort Hancock, New Jersey

Discussants
Gunnar Kullenberg
Professor
Institute of Physical
Oceanography
University of Copenhagen
Denmark

Shale Niskin
Chairman
General Oceanics
Miami, Florida

8. Ocean Modification

Gerald Stanhill
The Volcani Center
Institute of Soils and Water
Ministry of Agriculture
Israel

Session 4—The Ocean in Human Commerce

Tuesday, September 4, 1984/8:00–10:00 pm

**9. Oceans and
Earliest Voyagers**

Willard Bascom
Director
Southern California Coastal
Research Project
Long Beach, California

Discussant
Mangalam Srinivasan
Consulate to the United
Nations
Office of the Undersecretary
General for International
Economic and Social
Affairs
Washington, D.C.

10. Ocean Cities

Roberto Frassetto
Director of Research
Laboratory for the Study of
Sea Dynamics
National Research Council
Venice, Italy

Discussant
Uri Marinov
Director
Environmental Protection
Service
Jerusalem, Israel

**11. Ocean Tunnel
and Highway**

Yutaka Mochida
Former Director
Undersea Tunnel Division
Japan Railway Construction
Public Corporation
Yokohama, Japan

Discussant
Avraham Melamed
Senior Partner
Tushia Consulting Engineers,
Ltd.
Tel Aviv, Israel

Committee VI

Spirit and Science: Imaginary and Reality

One of the central fields of investigation of Philosophy has been the relations and interactions between Mind and Reality. But starting with the middle of our 20th century, this problem has also become a central theme in Physics. Indeed, contemporary physicists have now become aware that they are not representing Reality as such, but are only "approximating" this Reality, without being ever able to completely reach "what is" (Karl Popper, Geoffrey Chew, Gilbert Ryle, mainly anglo-saxon philosophy). Nevertheless, most physicists still stick to the reductionist idea that "there exists a concrete Reality out there," and it would be this "concrete" Reality that Mind tries to represent with an always better approximation.

However, during the last decade some philosophers and physicists have started to put in doubt this concept of a "concrete" Reality, insisting on the fundamental role of "imaginary forms," directly created

by Mind, which should be considered as the true source of Reality (Bachelard, Corbin, Durand, French school of research on Imaginary.) This new approach has gone as far as proposing a model of Reality AS Mind (Skolimowski, Charon).

The committee will consist of an interdisciplinary reflection and discussion on this theme: "Imaginary and Reality." More particularly, the participants will attempt to formulate clear and precise answers to the following questions:

1. How does such a concept as "Reality as Mind" situate itself in the history of Science and Philosophy?
2. If the authentic source of Reality is Imaginary (archetypes, myths, creative images...), can we, or cannot we, still define absolute values (scientific and moral "truth")?
3. What could be a general model including all three elements of Being, Reality and the personal Mind?



Chairman

Jean E. Charon

*Theoretical Physicist
University of Paris
Director, Center of
Research on Complex
Relativity and Rela-
tions to Consciousness
Villebon-sur-Yvette,
France*

Session 1

Monday, September 3, 1984/3:00-6:30 pm

1. *The Interactive Mind and the Participatory Universe*

Henryk Skolimowski

*Professor of Philosophy
University of Michigan
Ann Arbor*

2. *Biological Bases of Reality and Imaginary*

Jose M.R. Delgado

*Director
Department of Research
Ramon y Cajal Center
Madrid, Spain*

3. *The Paradox of Values*

Diane Cousineau

*Ph.D., Literature
Research in Creativity
University of Montreal
Quebec, Canada*

Session 2

Tuesday, September 4, 1984/10:30 am-12:30 pm

4. *Universal Relativity: Meditation, Mind and Matter*

Ashok K. Gangadean

*Professor of Philosophy and
Director Margaret Gest
Center for Cross-Cultural
Study of Religion
Haverford College
Haverford, Pennsylvania*

**5. In Search of
the Lost Reality**

Jean Lerede

Charge de Cours
University of Montreal
University of Sherbrook
Montreal, Canada

Session 3

Tuesday, September 4, 1984/2:00–5:30 pm

**6. Imaginary and
Reality in
Complex Relativity**

Jean E. Charon

Theoretical Physicist
University of Paris
Director, Center of Research
on Complex Relativity and
Relations to Consciousness
Villebon-sur-Yvette, France

**7. Imaginary:
A Come Back**

Gilbert Durand

Founder
Center of Research of
the Imaginary
National Center of
Scientific Research
Chambery, France

**8. Externalization of
Knowledge and the
Humanization of Man**

Jerzy A. Wojciechowski

Professor of Philosophy
University of Ottawa
Ottawa, Ontario
Canada

Session 4

Tuesday, September 4, 1984/8:00–10:00 pm

**9. Consciousness as
Causal Reality:
Toward a
Complementary
Science**

Willis W. Harman

Senior Social Scientist
SRI International
President
Institute of Noetic Sciences
Menlo Park, California

**10. Eastern and
Western Conceptions
of Imaginary**

Henry Bonnier

Writer and Director
Albin Michel Publishing
Company
Paris, France

Session 5

Wednesday, September 5, 1984/9:00–11:00 am

**11. Psychophysics:
A New Frontier
of Knowledge**

**Jose Inacio Cotrim
Vasconcellos**

Professor of Physics
State University of Campinas
Sao Paulo, Brazil

**12. What Could Be a
Mind Able to
Conceive a Brain
Able to Produce
a Mind?**

Edgar Morin-Nahoum

Director of Research
National Center for
Scientific Research
Paris, France

Committee VII

The Search for Global Ideology

In a time in which all the world's cultures are closer together, we are forced more than ever to search for an ideology that will allow room for all. In all ages we have been aware of other cultures, but we have never been forced to interact with so many by virtue of their proximity. Any clash with the wrong culture has dire consequences if we come into conflict due to a failure to understand.

In other eras we could afford to accept our own ideological frame and ignore others. That is not possible now. Thus, for the sake of peace and for the health of our own culture, it is crucial to search out global ideol-

ogies. If we do not, even our own perspective is threatened with confusion. In reaction to this challenge, we become defensive and even violent.

Is one possible framework for this needed reconciliation Unification Thought? The committee will ask whether this proposal can be used to reconcile all ideologies and thus create a global ideology. We will ask: Can we take all ideologies in and account for them within this one framework? The papers will search to find an ideology which can provide a global perspective and reconcile those which otherwise simply clash.



Chairman
Frederick E. Sontag
Professor of Philosophy
Pomona College
Claremont, California



Co-Chairman
George I. Mavrodes
Professor of Philosophy
University of Michigan
Ann Arbor, Michigan



Co-Chairman
Paul W. Sharkey
Associate Professor
Department of
Philosophy and
Religion
University of Mississippi,
Hattiesburg

Session 1

Monday, September 3, 1984/3:00–6:30 pm

**1. Response to
Questions on
Unification Thought**

Sang Hun Lee
President
Unification Thought Institute
Seoul, Korea

**2. Relationality and the
Concept of Heart**

Larry Axel
Associate Professor
of Philosophy
Purdue University
West Lafayette, Indiana

**3. Towards a General
Theory of Education
in Unification
Thought**

Eduardo O.C. Chaves
Professor of Philosophy
University of Michigan
Ann Arbor

Session 2

Tuesday, September 4, 1984/10:30 am–12:30 pm

**4. Unification Thought
and Religious
Knowledge**

Lloyd Eby
Lecturer
Philosophy Department
Unification Theological
Seminary
New York, New York

**5. Unification Thought
and The Critique
of Capitalism
and Communism**

Richard L. Rubenstein

Robert O. Lawton
Distinguished Professor
of Religion
Florida State University
Tallahassee, Florida

Session 3

Tuesday, September 4, 1984/2:00–5:30 pm

**6. Must We
Become Relativists?**

Friedrich Wallner

Institute of Philosophy
University of Vienna
Vienna, Austria

**7. Philosophy of Culture
in Unification
Thought**

Peter K.Y. Woo

Professor and Chairman
Department of Philosophy
National Taiwan University
Chinese Taipei

**8. Relation between
Ethics and Religious
Belief**

Ramon C. Reyes

Professor
Department of Philosophy
Ateneo de Manila University
Manila, Philippines

Session 4

Tuesday, September 4, 1984/8:00–10:00 pm

**9. Universalism in
Science and Culture**

Janusz Kuczynski

Professor of Philosophy
University of Warsaw
Warsaw, Poland

**10. The Social
Philosophy for
the New World**

Siddhi Butr-Indr

Professor and Head
Department of Philosophy
and Religion
Chaing Mai University
Chaing Mai, Thailand

Session 5

Wednesday, September 5, 1984/9:00–11:00 am

**11. Reason and Heart:
A Comparison
Between Hegel's
Philosophy and
Unification Thought**

Paul Perry

Doctoral Student
City University of New York

**12. Philosophy East
and West: Unification
or Unity?**

Emilie Zum Brunn

Senior Researcher
National Center
of Scientific Research
Paris, France

A Short History of ICUS

An Overview

The International Conference on the Unity of the Sciences (ICUS) arises from the commitment of the Reverend Sun Myung Moon to create an integrated world-view which can serve as the basis for a peaceful, harmonious future. Only such a world-view can provide order to human knowledge and a resolution of conflicting value premises.

Hence the two enduring themes of ICUS—*Unity of the Sciences* and *Absolute Values*—have been raised as a challenge to stimulate the research and creativity of the world's scientists and scholars.

Starting in 1972 with 20 participants, ICUS year by year expanded its scope as it deepened its relationship with the world-wide academic community. This growing phase culminated with the historic Tenth ICUS, which convened 808 participants from over 100 countries in Seoul, Korea in 1981. By this time ICUS had gained recognition from the world academic community as being truly unique as an interdisciplinary, international gathering of scholars and scientists addressing issues of fundamental concern to humanity.

Now a world-wide network of cooperating scholars has been established and together with

ICUS several other ICF programs are helping to sustain this network. Thus ICUS is presently moving toward smaller conferences. More focussed attention is being given to developing publishable book manuscripts from committee themes, securing specific contributions to the two fundamental ICUS themes, and enhancing the cross-disciplinary dialogue.



Chronology

- 1972 NEW YORK** *The First ICUS, Moral Orientation of The Sciences*, Edward Haskell, Chairman; 20 participants, 8 nations represented.
- 1973 TOKYO** *The Second ICUS, Modern Science and Moral Values*, Nobusige Sawada, Chairman; 60 participants, 17 nations represented.
- 1974 LONDON** *The Third ICUS, Science and Absolute Values*, Lord Adrian, Chairman; 128 participants, 28 nations represented.
- 1975 NEW YORK** *The Fourth ICUS, The Centrality of Science and Absolute Values*, Robert S. Mulliken, Chairman; 340 participants, 57 nations represented.
- 1976 WASHINGTON, D.C.** *The Fifth ICUS, The Search for Absolute Values: Harmony Among the Sciences*, Sir John Eccles, Chairman; 360 participants, 53 nations represented.
- 1977 SAN FRANCISCO** *The Sixth ICUS, The Search for Absolute Values in a Changing World*, Sir John Eccles, Chairman; 400 participants, 50 nations represented.
- 1978 BOSTON** *Seventh ICUS, The Re-evaluation of Existing Values and the Search for Absolute Values*, Eugene P. Wigner, Chairman; 450 participants, 60 nations represented.
- 1979 LOS ANGELES** *The Eighth ICUS, The Responsibility of the Academic Community in the Search for Absolute Values*, Eugene P. Wigner, Chairman; 485 participants, 67 nations represented.
- 1980 MIAMI BEACH** *The Ninth ICUS, Absolute Values and the Search for the Peace of Mankind*, Morton A. Kaplan, Chairman; 600 participants, 80 nations represented.
- 1981 SEOUL** *The Tenth ICUS, The Search for Absolute Values and the Creation of the New World*, Morton A. Kaplan, Chairman; 808 participants, 100 nations represented.
- 1982 PHILADELPHIA** *The Eleventh ICUS, Absolute Values and the Creation of the New World*, Morton A. Kaplan, Chairman; 525 participants, 100 nations represented.
- 1983 CHICAGO** *The Twelfth ICUS, Absolute Values and the New Cultural Revolution*, Eugene P. Wigner, Honorary Chairman, and Morton A. Kaplan, Organizing Chairman; 300 participants, 80 nations represented.
- 1984 WASHINGTON, D.C.** *The Thirteenth ICUS, Absolute Values and the New Cultural Revolution*, Kenneth Mellanby, Conference Chairman; 250 participants, 40 nations.

The Founder's Page

Up to now, although science in its quest for truth has investigated immediate causes of particular phenomena, it has not taken up the search for motives or reasons for existence as a whole. Thus the final challenge that science confronts is this question of the ultimate reason for existence. The unexplored problem in the question, "What is the true nature of material?" is that of the reason for its existence, and again, the untouched problem in the question, "What is the true nature of life?" is the very reason for life itself.

I propose that, in clarifying reasons, one must first admit purpose, and before admitting purpose one must first recognize the will that made the purpose, namely, the cosmic and universal will that transcends all things. When you call this cosmic will "God " then the initial step in clarifying unsolved questions is first to apprehend God's purpose of creation, and second to perceive that along with the physical or chemi-

cal factors in all material and life phenomena there exists a causal motive directing each thing towards a certain purpose.

In short, the very science which has developed for the happiness of mankind is today a cause of difficulty or even harm. And the only way to be freed from these harms is to bring science under the *true value perspective* which centers in God's love.

As more and more scientists find themselves pushed to the limit of science, they will find that the key to transcending this limit is to regard that behind all material and life phenomena, there is a purposeful motive working in accordance with God's purpose of creation.

"Founders Address"

The Reverend Sun Myung Moon

ICUS VIII, 1979

Los Angeles



Why ICUS?

Today cultures around the world have demonstrated their inability to solve the moral and social crises confronting humanity. Individual cultures and separate disciplines—science, philosophy, religion—have provided limited solutions. However a new global ideology is needed to harmonize these individual solutions and to create a peaceful, harmonious global culture. This culture should reflect the absolute value standard of the creator.

Science which has probed the depths of the natural world has failed to answer the fundamental questions of human existence and place in the universe. Some argue that scientific progress has caused humanity's moral dilemma. Science has increased human knowledge and promoted a better life, however, it has created unforeseen and often dangerous side effects.

Even more fundamental is the crisis of values, the loss of confidence in traditional religious beliefs and philosophies to provide standards of moral and ethical behavior. Religionists may argue that science conflicts with the roots of faith. They further decry the narrow-minded materialists and secular humanists who devalue man's spiritual nature.

Neither science nor religions and philosophies have achieved a complete solution to humanity's problems. Science must integrate spiritual values into its search for the fundamental laws of the universe. Without this spiritual input, the increase of scientific knowledge could very well lead to destruction.

ICUS was established to produce an integrated world-view founded on absolute values generated through multidisciplinary academic dialogue. The two themes of ICUS—*Unity of Knowledge* and *Science and Values*—challenge the academic community to produce what Reverend Moon calls a new system of "Cultural Science."

Now in its thirteenth year, ICUS is the only conference of its kind which is truly international, interdisciplinary and concerned with the world as a whole.



Guiding Principles

Reverend Sun Myung Moon founded the International Cultural Foundation, Inc. (ICF) in 1968 for the purpose of creating a peaceful world. The intent of ICF is to develop a rich new global culture which embodies mankind's enduring values and specific traditions.

Humanity faces the real possibility of global destruction without a world culture which recognizes man's spiritual nature. A major stumbling block is mankind's inherent self-centeredness. This attitude is embodied in the growth of numerous materialistic philosophies which regard conflict and confrontation as the only path to progress.

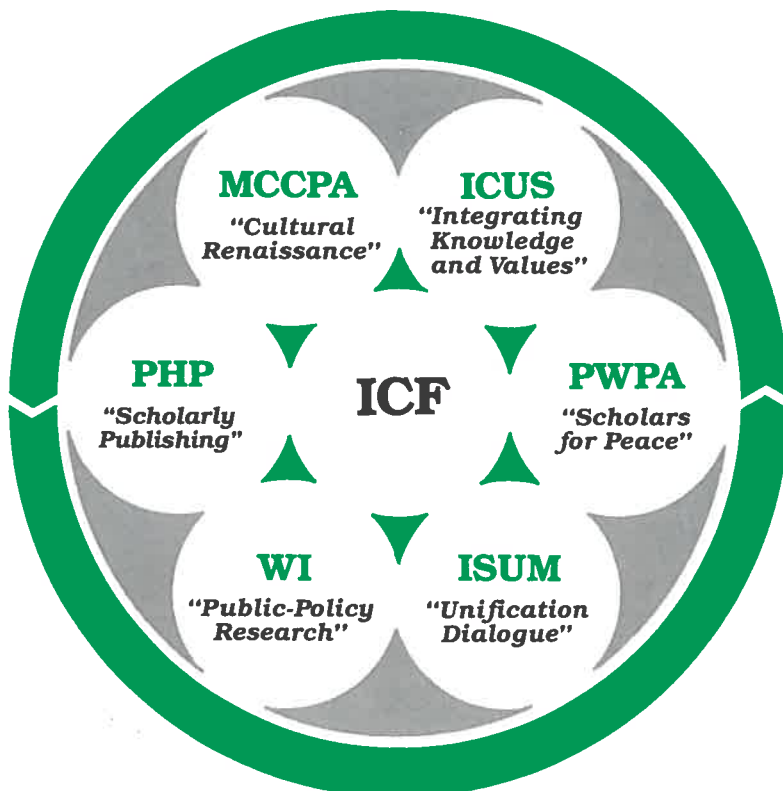
Indeed re-creation of culture must begin with a vision of unity and harmony, not one of frag-

mentation and conflict. Yet too often world scholars as they advance their separate disciplines foster separatism rather than unity. Education must restore the balance between man's external intellect and his internal spirit.

Thus the challenge for the academic community is to harmonize intellect with morality, to temper science with spirituality in order to create an integrated world-view which can guide the development of a global culture. Toward this goal, ICF promotes generation of new ideas and academic activism through conferences, research and publishing. Free and open participation of persons from diverse creeds and ideologies is a hallmark of ICF.

Organization

Headquartered in New York, ICF, Inc. is a non-profit organization supported by contributions. It has thus far spawned the following affiliate organizations:



- **International Conference on the Unity of the Sciences (ICUS)**—An annual meeting of eminent scholars and scientists to discuss issues of *Unity of Knowledge and Science and Values*.
- **Professors World Peace Academy (PWPA)**—A membership organization of scholars working cooperatively for the peace and prosperity of the world.
- **Introductory Seminars on the Unification Movement (ISUM)**—A series of seminars teaching scholars about the ideas and activities of the Unification Movement.
- **The Washington Institute for Values in Public Policy (WI)**—A research institute in the nation's capital which focuses on the value issues of public-policy questions.
- **Paragon House Publishers (PHP)**—A publishing company which distributes works spanning the fields of the humanities, the social, and natural sciences.
- **Manhattan Center for the Creative and Performing Arts (MCCPA)**—A cultural renaissance center of classical and folk arts, studio broadcasting and community events.
- **Founder's Award**—A biennial award and financial grant given to a scholar in recognition of his or her unique and valuable contributions to human understanding and world peace.

ICF Sponsored Programs

Introductory Seminars on the Unification Movement (ISUM)

Over the past six years, the Seminars Department of the International Cultural Foundation has organized thirty meetings in twenty countries, introducing the Unification Movement to interested participants from other ICF activities. This series, known as "Introductory Seminars on the Unification Movement," was developed for past ICUS participants who expressed an interest in learning more about the founder and sponsorship of ICF. More than two-thousand scholars and professionals from over seventy nations have attended ISUM.

The core of the introductory seminar is a series of twelve lectures, given over three days, on the Divine Principal, the religious teachings of Rev. Moon. The lecturers are Unification Church members, either Ph.D. students or church leaders.

These lectures are clarified and expanded upon in informal discussion groups, designed to encourage an exchange of ideas and to offer the opportunity of understanding the more personal side of living this teaching.

The seminar is rounded out with an overview of the worldwide Unification Movement, describing the many diverse activities inspired by Reverend Moon. In addition, there are special sessions and movies on the lifestyle of the members, on marriage and the family, and on religious liberties. Each seminar has provided a rare opportunity to experience world fellowship beyond cultural and national boundaries.

ISUM is coordinated through ICF headquarters in New York. ICF branch offices listed in the back of the program also provide information on upcoming regional seminars.

Seminar Sites:

| | |
|------------------|-------------|
| 1978 Hawaii | 1983 Italy |
| Spain | Bahamas |
| Puerto Rico | Thailand |
| 1979 Hawaii | Argentina |
| Greece | 1984 Brazil |
| Puerto Rico | Guyana |
| 1980 Kenya | Philippines |
| Mexico | Zaire |
| 1981 Ivory Coast | Nigeria |
| Mexico | Panama |
| Brazil | Zambia |
| 1982 USA | Ivory Coast |
| Brazil | Italy |
| Jamaica | Sri Lanka |
| Egypt | Thailand |
| Philippines | Australia |
| Peru | Peru |



Professors World Peace Academy (PWPA)

Professors World Peace Academy (PWPA) is an association of scholars from a diversity of backgrounds, disciplines, political persuasions, and ideological perspectives working cooperatively for world peace and human well-being. The Academy is composed of scholars from around the world who are concerned with crises of modern civilization and are willing to commit themselves and their academic competence for the purpose of the study and amelioration of the problems which beset contemporary society. There are chapters in over sixty nations, from Argentina to Zimbabwe.

The objective of PWPA is to provide suggestions for obtaining a peaceful and prosperous world. Interested not only in providing answers to specific problems, the Academy encourages scholars to examine the most fundamental issues facing our world and propose various means by which to bring about global understanding.

Through its interdisciplinary approach, the Academy is able to avail itself of the cross-fertilization that results from experts working

together from many fields. No single field of research can provide adequate solutions. The various disciplines and ideologies need to be coordinated, and scholars from throughout the world need to engage in research for the sake of future generations across narrowly defined positions and perspectives. Hence, the approach of PWPA is broad; programs are sponsored in practically every field of human endeavor.

In order to provide a forum through which a diversity of positions can be presented, the Academy sponsors a wide range of study, research and publishing activities. In conferences throughout the world, PWPA seeks to bring together a diversity of scholars to discuss and study issues of global significance. Such meetings center on the need for deeper communication and understanding in search for universal peace and cooperation.

Further information about PWPA and for the address of your regional representative write to PWPA, G.P.O. Box 1311, New York, N.Y., 10116. Tel. (212) 947-1756.

RIT and SCIENCE



The Washington Institute for Values in Public Policy (WI)

The Washington Institute is an independent, nonprofit research and educational organization that provides nonpartisan analyses exploring the ethical values underlying public-policy issues. The Institute conducts objective research on a broad range of public-policy options recognizing that the individual, the government and private social institutions share responsibility for the common welfare. To encourage more informed decision-making on public-policy issues, the Institute offers its research and resources to scholars, policy makers and the public.

The Washington Institute is located at 1333 New Hampshire Ave., N.W., Suite 910, Washington, D.C., 20036. Tel. (202) 293-7440.



Paragon House Publishers (PHP)

An independent publisher, Paragon House intends to publish quality books from the religious, scientific and scholarly communities. This fall Paragon inaugurates its international publishing program with titles in theology, philosophy, political science and transdisciplinary studies.

Organized in 1982, Paragon grew out of the International Cultural Foundation, Inc., founded in 1968 to promote exchange among the world's academic and scientific communities.

ICF has generated a number of other organizations which contribute manuscripts to Paragon: the International Conference on the Unity of the Sciences (ICUS); the Professors World Peace Academy (PWPA); and the Washington Institute for Values in Public Policy (WI). New ERA Books, under the sponsorship of the New Ecumeni-

cal Research Association (New ERA) also contributes manuscripts.

In addition, Paragon House actively seeks from the international academic community, original manuscripts which emphasize cross-disciplinary dialogue among the humanities, natural and social sciences. Paragon will review any manuscript of the quality that merits publication.

Paragon will publish all ICUS books, both multi-authored volumes generated by conference committees as well as single-authored works. Paragon will also publish the annual commemorative volume, available for the first time this year, containing highlights of ICUS.

Paragon House Publishers, located at 2 Hammarckjold Plaza, New York, NY 10017, operates under the supervision of an independent editorial board.

ICF Leadership

Board of Directors

Sun Myung Moon
Founder

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Young Whi Kim
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