

Absolute Values And The New Cultural Revolution



Twelfth International Conference on the Unity of the Sciences



ICUS III, LONDON, 1974.

It is my pleasure to welcome you to the Twelfth International Conference on the Unity of the Sciences convening in this great American metropolis of Chicago—affectionately known as the Windy City.

This year's conference theme, "Absolute Values and the New Cultural Revolution," suggests that a revolution in culture has been going on and the world community of scientists and scholars have both the opportunity and responsibility to guide and interpret it. Under the combined inspiration of Conference Chairman, Eugene P. Wigner, and the vigorous leadership of Organizing Chairman, Morton A. Kaplan, it is our hope that these sessions will be even more stimulating to the participants than in the past.

Our staff is here to serve you in every way possible—to produce the most fruitful dialogue among our participants from all academic disciplines and more than 80 countries. If you have questions or if our staff can be of assistance in any manner, please stop by the Conference Headquarters located in the Lincolnshire Room I & II on the sixth floor level of the Chicago Marriott Hotel.

Neil Albert Salonen
President
ICF

***Twelfth International Conference on the Unity of the Sciences
November 24-27, 1983 The Chicago Marriott Hotel***

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Tallahassee, Florida, USA

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Claremont, California, USA

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Pomona College, Claremont, California, USA

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Visiting Scientist
National Institute of Science,
Technology and Development Studies (CSIR)
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Drew University, USA

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University of Uppsala, Sweden

PYONG DO YI
Emeritus Professor of History
Seoul National University,
Korea

TWELFTH ICUS CHAIRMEN'S BOARD



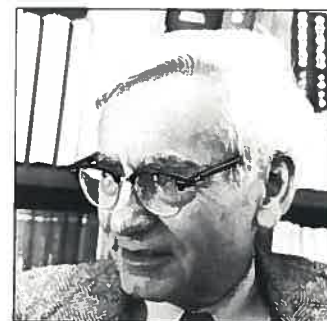
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USA



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and Director
Center for Strategic and Foreign
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University of Chicago, Illinois, USA



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

COMMITTEE I

Unity of the Sciences

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Emeritus Professor of Physics
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New Jersey, USA

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Gerard Radnitzky

Professor of Philosophy
of Science
University of Trier,
West Germany

COMMITTEE II

The Challenge of Education in African Social Transformation

HONORARY CHAIRMAN

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Director Emeritus
Monk's Wood Experimental
Station
Huntingdon, England

ORGANIZING CHAIRMAN

Teshome G. Wagaw

Professor of International
Education
University of Michigan at
Ann Arbor
USA/Ethiopia

COMMITTEE III

Art and Technology

PRESIDING CHAIRMAN

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President, International
Association for Video in the
Arts and Culture; Past
Director and Curator
Museum of Fine Arts
Lausanne, Switzerland

COMMITTEE IV

Developmental Experiences in East Asia and Latin America

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

ORGANIZING CHAIRMAN

Ilpyong J. Kim

Professor of Political Science
University of Connecticut
Storrs, Connecticut,
USA/Korea

COMMITTEE V

The Emotions: Focus on Inter-Male Aggression and Dominance Systems

HONORARY CHAIRMAN

Karl H. Pribram

Professor of Neuroscience
Stanford University,
California, USA

ORGANIZING CHAIRMAN

Diane McGuinness

Department of Psychology
Stanford University,
California, USA

COMMITTEE VI

Global Environmental Problems

HONORARY CHAIRMAN

Helmut E. Landsberg

Emeritus Professor of
Meteorology
University of Maryland
College Park, USA

ORGANIZING CHAIRMAN

S. Fred Singer

Professor of Environmental
Sciences
University of Virginia,
Charlottesville, USA

Twelfth International Conference on the Unity of the Sciences

November 24

Thursday

2:00 P.M.	<i>Luncheon</i>	<i>Salon I*</i>
7:30 P.M.	<i>Welcoming Reception</i>	<i>Salon II</i>

November 25

Friday

7:30 A.M.	<i>Breakfast</i>	<i>Salon I</i>
9:00 A.M.	<i>Opening Plenary Session</i>	<i>Salon III</i>
10:30 A.M.	<i>Coffee Break</i>	<i>Foyer Seven</i>
11:00 A.M.	<i>Committees I, II, & III Session #1 (2 hours)</i>	<i>Chicago Rooms**</i>
1:00 P.M.	<i>Luncheon</i>	<i>Salon I</i>
3:00 P.M.	<i>Committees IV, V, & VI Session #1 (3 hours)</i>	<i>Chicago Rooms</i>
4:30 P.M.	<i>Coffee Break (30 minutes)</i>	<i>Foyer Five</i>
6:30 P.M.	<i>Dinner</i>	<i>Salon I</i>
8:00 P.M.	<i>Plenary Lecture "The Origins & Effects of Our Morals: A Problem for Science"</i>	<i>Salon II</i>

*F.A. Hayek
Vienna, Austria
Nobel Laureate
in Economics, 1974*

**Salon rooms are on the seventh floor.
**Chicago rooms are on the fifth floor*

November 24-27, 1983 The Chicago Marriott Hotel

November 26

Saturday

7:30 A.M.	<i>Breakfast</i>	<i>Salon I</i>
9:00 A.M.	<i>Committees I, II, III, & IV Session #2 (3 hours)</i>	<i>Chicago Rooms</i>
10:30 A.M.	<i>Coffee Break (30 minutes)</i>	<i>Foyer Five</i>
12:30 P.M.	<i>Luncheon</i>	<i>Salon I</i>
2:30 P.M.	<i>Committees I & II Session #3 (3 hours)</i>	<i>Chicago Rooms</i>
	<i>Committees V & VI Session #2 (3 hours)</i>	<i>Chicago Rooms</i>
4:00 P.M.	<i>Coffee Break (30 minutes)</i>	<i>Foyer Five</i>
6:30 P.M.	<i>Dinner</i>	<i>Salon I</i>

November 27

Sunday

7:30 A.M.	<i>Breakfast</i>	<i>Salon I</i>
9:00 A.M.	<i>Committees III, IV, V, & VI Session #3 (3 hours)</i>	<i>Chicago Rooms</i>
10:30	<i>Coffee Break (30 minutes)</i>	<i>Foyer Five</i>
12:30 P.M.	<i>Luncheon</i>	<i>Salon I</i>
2:30 P.M.	<i>Closing Plenary Session</i>	<i>Chicago Ballroom</i>
4:00 P.M.	<i>Coffee Break (30 minutes)</i>	<i>Foyer Five</i>
7:00 P.M.	<i>Farewell Banquet and Entertainment</i>	<i>Salon II & III</i>

November 28

Monday

7:30 A.M.	<i>Breakfast</i>	<i>Salon I</i>
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TWELFTH ICUS IN BRIEF

It is with great personal pleasure that I greet the members of ICUS XII. I hope that this ICUS will be particularly rewarding to you. Those of us who have helped to shape it view it with pride as a considerable advance on past meetings.

As you will quickly see, ICUS has been reorganized under the leadership of Eugene P. Wigner. There is no longer an organizational level between the committees and the paper writers. Instead, the chairmen of the six committees met with the paper writers to plan the individual topics and to delegate responsibilities for particular tasks. These papers were then circulated to the members of the committees and to the discussants prior to ICUS XII so that the chairman can conduct the discussions of issues in an orderly fashion. At each of the committee's three, 3-hour sessions, the Organizing Chairman will summarize the main questions to be discussed at that session, relate these questions to the papers which will be only briefly summarized, and moderate the discussion. Seated around a conference table, committee members will discuss the questions. A half-hour period in each session will be reserved for questions and comments from observers and other conference participants. Each Organizing Chairman will also present the results of his sessions at a concluding plenary meeting.

In shaping the committee membership, thought was given to bringing in individuals from under-represented parts of the world or disciplines and to representation of different or unusual views.

Although an important object is the possible publication of the committee's papers as a book by Paragon House Publishers, the new publishing house emerging from ICF, Inc., the evaluation of main papers and discussion papers for publication in a book will occur after the Twelfth ICUS.



Morton A. Kaplan
Organizing Chairman
Twelfth ICUS



OPENING PLENARY SESSION

WELCOMING REMARKS

Neil Albert Salonen
President, International Cultural Foundation

MODERATOR'S INTRODUCTIONS

Frederick Sontag
Pomona College

INTRODUCTION TO THE FOUNDER

Richard L. Rubenstein
The Florida State University, Tallahassee

FOUNDER'S ADDRESS

Sun Myung Moon
Founder, International Cultural Foundation
Founder, International Conference on the Unity
of the Sciences

HONORARY CHAIRMAN'S STATEMENT

Eugene P. Wigner
Princeton University

ORGANIZING CHAIRMAN'S STATEMENT

Morton A. Kaplan
University of Chicago

VICE-CHAIRMAN'S REMARKS

Alvin M. Weinberg
Institute for Energy Analysis

COMMITTEE CHAIRMEN

Honorary Chairman: *Eugene P. Wigner*
Princeton University

Organizing Chairman: *Gerard Radnitzky*
University of Trier, West Germany

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Monk's Wood Experimental Station, England

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University of Michigan at Ann Arbor

Presiding Chairman: *Rene Berger*
International Association for Video in the Arts and Culture,
Switzerland

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University of Connecticut, Storrs

Honorary Chairman: *Karl H. Pribram*
Stanford University

Organizing Chairman: *Diane McGuinness*
Stanford University

Honorary Chairman: *Helmut E. Landsberg*
University of Maryland

Organizing Chairman: *S. Fred Singer*
University of Virginia, Charlottesville

I. Unity of the Sciences**II. Challenge of Education in African Social Transformation****III. Art and Technology****November 25th
Friday**

11:00 A.M. 1:00 P.M.	SESSION 1 CHICAGO A & B	SESSION 1 CHICAGO D	SESSION 1 CHICAGO E	
3:00 P.M. 6:30 P.M.	OPEN	OPEN	OPEN	

**November 26th
Saturday**

9:00 A.M. 12:30 P.M.	SESSION 2 CHICAGO A & B	SESSION 2 CHICAGO D	SESSION 2 CHICAGO E	
2:30 P.M. 6:30 P.M.	SESSION 3 CHICAGO A & B	SESSION 3 CHICAGO D	OPEN	

**November 27th
Sunday**

9:00 A.M. 12:30 P.M.	OPEN	OPEN	SESSION 3 CHICAGO E	
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SCHEDULE OF COMMITTEE SESSIONS

IV. Developmental Experiences in East Asia and Latin America

V. The Emotions: Focus on Inter-Male Aggression and Dominance Systems

VI. Global Environmental Problems

OPEN

OPEN

OPEN

**SESSION 1
CHICAGO F & G**

**SESSION 1
CHICAGO A & B**

**SESSION 1
CHICAGO D**

**SESSION 2
CHICAGO F & G**

OPEN

OPEN

OPEN

**SESSION 2
CHICAGO E**

**SESSION 2
CHICAGO F & G**

**SESSION 3
CHICAGO F & G**

**SESSION 3
CHICAGO A & B**

**SESSION 3
CHICAGO D**

COMMITTEE I



HONORARY CHAIRMAN
Eugene P. Wigner
Emeritus Professor of Physics
Princeton University
New Jersey, USA



ORGANIZING CHAIRMAN
Gerard Radnitzky
Professor of Philosophy of Science
University of Trier, West Germany

THE IDEA OF "THE UNITY OF SCIENCE" IN INTELLECTUAL HISTORY AND THE DIVISION OF KNOWLEDGE

SESSION 1.

Friday, November 25, 1983 / 11:00 A.M. - 1:00 P.M.
Chicago A and B

1. THE UNITY OF SCIENCE AND THE DUBIOUS CREDENTIALS OF POSITIVISM



PETER MUNZ
Professor of History
Victoria University of
Wellington
New Zealand

DISCUSSANTS

YERSU KIM
Professor of Philosophy
College of the Humanities
Seoul National University
Seoul, Korea

GEORG SUSSMAN
Professor of
Theoretical Physics
University of Munich,
West Germany

2. UNITY AND THE HISTORY OF SCIENCE



VINCENZO CAPPELLETTI
Director General, Istituto
della Enciclopedia Italiana
Fondata Da Giovanni Trecanni;
Professor of History of Science
University of Rome; Cultural &
Scientific Advisor to the Italian
Government, Rome, Italy

DISCUSSANTS

JOHN BLACKMORE
Visiting Professor
Institute for
Theoretical Physics
University of Vienna,
Austria/USA

HANS-MARTIN SASS
Senior Research Scholar
Kennedy Institute of Ethics
Georgetown University
Washington, D. C., USA/
West Germany

3. THE DIVISION OF KNOWLEDGE



WILLIAM W. BARTLEY, III
Professor of Philosophy
California State University
Hayward, California, USA

DISCUSSANTS

**ANGELO MARIA
PETRONI**
Centro "Luigi Einaudi"
Torino, Italy

IVAN SLADE
Professor of Philosophy
The London School of
Economics
England

METHODOLOGICAL ASPECTS, THE UNITY OF PHYSICS AND THE UNIFYING POTENTIAL OF THE EVOLUTIONARY PERSPECTIVE

SESSION 2.

Saturday, November 26, 1983 / 9:00 A.M. - 12:30 P.M.
Chicago A and B

4. THREE VIEWS CONCERNING THE UNITY OF SCIENCE



LAURENCE BRISKMAN
Professor of Philosophy
University of Edinburgh,
Scotland

DISCUSSANTS

NORETTA KOERTGE
Professor of Philosophy
of Science
Indiana University,
Bloomington, USA

5. THE PROBLEM OF THE UNITY OF PHYSICS



MAX JAMMER
Professor of Natural
Philosophy and the History
of Science
Bar-Ilan University
Ramat-Gan, Israel

DISCUSSANTS

HIDETAKE KAKIHANA
Director, Institute of
Plasma Physics
Nagoya University, Japan;
Deputy Director General
International Atomic Energy
Agency, Vienna

**BERNULF
KANITSCHIEDER**
Professor of Philosophy
of Science Zentrum, für
Philosophie, Universität
Giessen, West Germany

ERWIN SCHOPPER
Professor of Physics Emeritus
Universität Frankfurt,
West Germany

UNITY OF THE SCIENCES

Specialization is unavoidable, but its price is the departmentalization of science: yet almost all practical problems are multi-disciplinary. This Committee seeks to clarify and to explore the fruitfulness of the idea and ideal of Unity of the Sciences. It may also help to resolve the present-day absence of a unified picture of cosmos and mankind. Topics include: Historical development of the idea of "Unity of the Sciences" and its alleged limitations and constraints; positivism and "Ideal Unified Science" in the analytic tradition; methodological aspects, including ideas of unity through commonality of laws and the problem of scientific reduction, unified language, unified method of science, unified ontology of science, unity at the level of world-picture hypotheses, unity of physics, and the unifying potential of the evolutionary perspective. In addition, the unifying potential of the idea of self-organizing complex systems and of the "economic" approach are explored.

6. THE UNITY OF SCIENCE IN AN EVOLUTIONARY PERSPECTIVE



GERHARD VOLLMER
*Professor of Biophilosophy
Zentrum für Philosophie und
Grundlagenforschung
University of Giessen,
West Germany*

DISCUSSANTS

PERCY LOWENHARD
*Professor of Psychology
University of Goteborg,
Sweden*

HERMAN WOLD
*Professor of Statistics
University of Uppsala,
Sweden*

THE UNIFYING POTENTIAL OF THE IDEAS OF A SPONTANEOUS ORDER, SELF-ORGANIZING SYSTEM, AND THE ECONOMIC APPROACH

SESSION 3.

*Saturday, November 26, 1983 / 2:30 P.M. - 6:30 P.M.
Chicago A and B*

7. THE IDEA OF A SPONTANEOUS ORDER AND THE UNITY OF THE SCIENCES



JOHN N. GRAY
*Fellow and Tutor,
Jesus College
University of Oxford,
England*

DISCUSSANTS

ANTONY FLEW
*Professor of Philosophy
York University
Downsview, Ontario,
Canada; and University of
Reading, England*

HENRI LEPAGE
*Institut de l'Enterprise,
Paris, France*

8. SPONTANEOUSLY ORDERED COMPLEX PHENOMENA AND THE UNITY OF THE MORAL SCIENCES

DISCUSSANTS

WALTER B. WEIMER
*Professor of Psychology
Pennsylvania State University
University Park,
Pennsylvania, USA*

**HECTOR-NERI
CASTANEDA**
*Mahlon Powell Professor
of Philosophy
Indiana University,
Bloomington, USA*

MANUEL GARRIDO
*Professor of Philosophy
Universidad Complutense
Madrid, Spain*

9. THE UNIFICATION OF SCIENCE THROUGH THE ECONOMIC APPROACH—FACT OR FICTION?



NAOMI MOLDOFSKY
*Professor of Economics
University of Melbourne,
Australia*

DISCUSSANTS

PETER BERNHOLZ
*Institute for Social Science
University of Basel,
Switzerland*

COMMITTEE II



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Kenneth Mellanby
Director Emeritus
Monk's Wood Experimental Station
Huntingdon, England



ORGANIZING CHAIRMAN
Teshome G. Wagaw
Professor of International
Education
University of Michigan at Ann
Arbor
USA/Ethiopia

IDENTITY AND RELEVANCE

SESSION 1.

Friday, November 25, 1983 / 11:00 A.M.-1:00 P.M.
Chicago D

1. EDUCATION, NATIONAL IDENTITY, AND THE LANGUAGE OF AFRICAN DEVELOPMENT



MAXWELL K. OWUSU
Professor of Anthropology
University of Michigan at Ann
Arbor
USA/Ghana

DISCUSSANTS

JEAN MFOULOU
Professor and Head,
Department of Sociology
University of Yaounde,
Cameroon

ABDUL KARIM A. ELAHWAL
Chief Expert, Social Planning
& Development, Institute of
National Planning
Cairo, Egypt

2. EDUCATION, ECONOMIC MOBILITY AND FAMILY RELATIONSHIPS IN AFRICA



ELLIOTT P. SKINNER
Franz Boas Professor of
Anthropology
Columbia University
New York, USA

DISCUSSANTS

ABRAHAM L. JAMES
Professor of Government
University of Liberia,
Monrovia

GEORGES NIANGORAN-BOUAH
Professor of Ethnology
University of Abidjan,
Ivory Coast

3. THE HUMANITIES AND THE CRITERION OF RELEVANCE



LEMUEL A. JOHNSON
Professor of English
Language and Literature
University of Michigan at Ann
Arbor
USA/Sierra Leone

DISCUSSANTS

ERNEST N. EMENYONU
Dean, Faculty of Arts
University of Calabar,
Nigeria

GATIAN F. LUNGU
Lecturer in Public
and Educational
Administration;
Assistant Dean of
Graduate Studies
School of Humanities and
Social Sciences
University of Zambia, Lusaka

DYNAMICS OF SOCIAL INSTITUTIONS IN EDUCATION

SESSION 2.

Saturday, November 26, 1983 / 9:00 A.M.-12:30 P.M.
Chicago D

4. EDUCATION AND POLITICS



F. EKUEME OKOLI
Senior Lecturer
Department of Public
Administration &
Local Government
University of Nigeria, Nsukka

DISCUSSANTS

ALI A. MAZRUI
Professor of Political Science
and Director, Center for Afro-
American and African Studies
University of Michigan at Ann
Arbor, USA/Kenya

KIVUTO NDETI
Director, Institute of African
Population, Resources, and
Development Studies
Nairobi, Kenya

5. EDUCATION AND THE PUBLIC MEDIA



MUSTAFA MASMOUDI
Permanent Delegate of
Tunisia to UNESCO;
Advisor to the Prime Minister
Tunis, Tunisia

DISCUSSANTS

EL MEHDI BENABOUD
Professor of Philosophy
University of Rabat, Morocco

YAOVI RANDOLPH
Secretary-General
The Africa Club
Lome, Togo

THE CHALLENGE OF EDUCATION IN AFRICAN SOCIAL TRANSFORMATION

Africans have decided that the full development of human resources is central to the whole process of development and social transformation. How do the formal and informal educational systems contribute towards the goal of social, cultural, and economic development? What are the major constraints that retard the full participation of all segments of society in the process of intellectual, attitudinal, and skill development? What are the structural and substantive shortcomings of institutions of learning? What are the suggested solutions to these problems?

6. EDUCATION IN THE DEVELOPMENT OF ENDOGENOUS SCIENCE AND TECHNOLOGY



G. EDWARD NJOCK
*Professor of Mathematics
Universite de Yaounde,
Cameroon*

DISCUSSANTS

M.R. BHIDAY
*Professor of Physics
and Director, College
Development Council
University of Poona,
Pune, India*

KLAUS ZAPOTOCZKY
*Professor of Sociology
University of Linz
Austria*

7. EDUCATION AND MORAL AND ETHICAL VALUES



**A.B.T. BYARUHANGA-
AKIIKI**
*Professor and Head
Department of Religious
Studies and Philosophy
Makerere University
Kampala, Uganda*

DISCUSSANTS

KWESI A. DICKSON
*Director, Institute of African
Studies
University of Ghana, Legon*

ENOKA H. RUKARE
*Dean of Education
Makerere University
Kampala, Uganda*

JUSTICE AND COOPERATION

SESSION 3.

Saturday, November 26, 1983 / 2:30 P.M. - 6:30 P.M.
Chicago D

8. REGIONAL COOPERATION IN HIGHER EDUCATION IN AFRICA: PROBLEMS AND PROSPECTS



ASSEFA MEHRETU
*Associate Professor of
Geography and Associate
Director, African
Studies Center
Michigan State University
East Lansing, Michigan,
USA/Ethiopia*

DISCUSSANTS

A.M. ADJANGBA
*Professor of International Law
Center for Legal and
Humanistic Studies
University of Benin,
Lome, Togo*

FREDERICK M. OKATCHA
*Professor of Educational
Psychology
University of Nairobi, Kenya*

9. EDUCATION AND SOCIAL JUSTICE



J.F. ADE AJAYI
*Professor of History
University of Ibadan, Nigeria*

MOSES BOPAPE
*Professor and Head
School of Social Work
University of the North
Pietersburg, South Africa*

JOHN O. SODIPO
*Vice-Chancellor
Ogun State University,
Nigeria*

10. HIGHER EDUCATION IN AFRICAN TRANSFORMATION



TESHOME G. WAGAW
*Organizing Chairman,
Committee II*

DISCUSSANTS

**MOHAMMED FADHEL
JAMALI**
*Professor of Education
Faculty of Letters
University of Tunis, Tunisia*

TOSHIO TOYODA
*Research Director
Institute of Developing
Economies
Tokyo, Japan*

COMMITTEE III



PRESIDING CHAIRMAN

Rene Berger
President, International
Association for Video in the Arts
and Culture; Past Director and
Curator, Museum of Fine Arts
Lausanne, Switzerland

SESSION 1.

Friday, November 25, 1983 / 11:00 A.M.-1:00 P.M.
Chicago E

1. SCIENCE AND TECHNOLOGY: BLESSING OR CURSE TO THE ARTS?



NICHOLAS KURTI
Emeritus Professor of Physics
University of Oxford,
England

DISCUSSANTS

N.J. PHILLIPS
Department of Physics
University of Technology
Loughborough, England

2. THE CITY: ORGANISM OR ARTIFACT?



ERVIN Y. GALANTAY
Director, Graduate Program
in Development Planning,
Swiss Federal
Institute of Technology
Lausanne, Switzerland

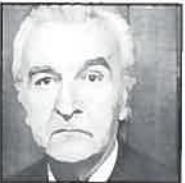
DISCUSSANTS

TAO HO
Architect and Director, Hong
Kong Cultural Centre;
Editor, Vision Magazine
Hong Kong

DIETRICH KUNCKEL
Director, Urban Design
Program
Universidad Simon Bolivar
Caracas, Venezuela

SHIGERU YURA
Professor, Architect &
Industrial Designer
Kyushu Institute of Design
Fukuoka, Japan

3. REEL TO REAL: THE CINEMA AS TECHNOLOGICAL CO-REALITY



PIERRE ROUVE
Professor of Semiology and
Philosophy of Art
University of London,
England

DISCUSSANTS

EDDIE WOLFRAM
Head of Fine and
Theatre Arts
Croydon College
School of Art and Design
Croydon, Fairfield, England

SESSION 2.

Saturday, November 26, 1983 / 9:00 A.M.-12:30 P.M.
Chicago E

4. MUSIC AND TECHNOLOGY TODAY



DANIEL CHARLES
Dean, Faculty of Arts, and
Professor of Music
University of Paris VIII
France

DISCUSSANTS

JOSE MACEDA
Professor and Chairman
of Music Research
College of Music
University of the Philippines,
Quezon City

NOBUHITO YAMAMOTO
Research Associate, Institute
for Information
Sciences and Electronics
University of Tsukuba,
Ibaraki-ken, Japan

5. TELEVISION AND ART: TELEVISION AS ART



ROBERT STEPHANE
Regional Director
Center of Production,
Belgian Radio/Television
(R.T.B.F.)
Liege, Belgium

DISCUSSANTS

TOMO MARTELANC
Professor of Communications
University of Ljubljana,
Yugoslavia

WOO HYUN WON
Professor of Mass
Communication
President, Korea Mass
Media Institute
Korea University,
Seoul, Korea

The aim of this committee is to elucidate new relationships being established between the creative processes underway in various fields and the different means which the application of modern science is producing to achieve them. The concept of "art" is to be understood in a wide sense including all the forms of art with a special stress on those which proceed from modern technology. What is meant by "technology" is especially related to the new techniques used by artists, such as movies, slides, video, registered music, records, tapes, computers, lasers, TV, etc. In this perspective, attention will be paid on two main uses of technology: on the one hand, as a new medium in the *creative process*, such as videoart, computerart; on the other hand, as a new medium in the process of *disseminating* art, such as TV, videocassettes, videodiscs, etc. This investigation should envisage all the factors which are shaping our sensitivity and bringing forth a new aesthetics for the masses, namely, "techno-culture": e.g., posters, billboards, advertising; in brief, the urban environment in which we live. The thread linking the paper topics together is a social-cultural consideration of the phenomena underway in relation to the tremendous and accelerated change of our society. The purpose is not only to make interesting, even subtle statements, but to detect the dangers of a too rapid evolution in order to determine what can be done to prevent them.

6. THE WAY TOWARD VISUAL CULTURE: COMICS AND COMIC FILMS



ALFONS SILBERMANN
*Emeritus Professor
of Sociology
University of Cologne,
West Germany;
Director, Cologne Institute of
Mass Communication*

DISCUSSANTS

FRIEDRICH KNILLI
*Director, Institute for
Communications, Media
and Music
Technische Universität Berlin
West Berlin, Germany*

WALTER NUTZ
*Deutsche Welle
Cologne, West Germany*

7. SOCIAL ASPECTS OF COMPUTER ART



ABRAHAM MOLES
*Director, Institute of
Social Psychology
University of Strasbourg
France*

DISCUSSANTS

KOMEI HAYAMA
*Managing Director
Social Dynamics Research
Institute, Inc.
Tokyo, Japan*

SESSION 3.

Sunday, November 27, 1983 / 9:00 A.M. - 12:30 P.M.
Chicago E

8. THE CHALLENGE OF VIDEO ART



RENE BERGER
*Presiding Chairman
Lausanne, Switzerland*

DISCUSSANTS

ANDREE PARADIS
*Director and Editor-in-Chief
Vie des Arts
Montreal, Canada*

FREDERICK POHL
*Author and Past President,
Science Fiction Writers of
America; Member of the
Board, Institute for 21st
Century Studies
New York, New York, USA*

9. ART AND TECHNOLOGY IN THE FUTURE



MAGOROH MARUYAMA
*Graduate School of
Management
University of California
Los Angeles, USA*

DISCUSSANTS

GEORGE RAND
*Associate Dean, Graduate
School of Architecture
and Urban Planning
University of California,
Los Angeles, USA*

ARNOLD BERLEANT
*Professor of Philosophy
C.W. Post Center of
Long Island University
Greenvale, New York, USA;
Secretary-Treasurer,
American Society
for Aesthetics*

GENERAL DISCUSSANTS

**HENRYK
SKOLIMOWSKI**
*Professor of Philosophy
College of Engineering
University of Michigan
Ann Arbor, Michigan, USA*

PAOLO SOLERI
*Architect and
Founder, Arcosanti Project
Scottsdale Arizona, USA*

COMMITTEE IV



HONORARY CHAIRMAN
Alexander King
Chairman, International Federation
of Institutes for Advanced Study
Paris, France



ORGANIZING CHAIRMAN
Ilpyong J. Kim
Professor of Political Science
University of Connecticut
Storrs, Connecticut, USA/Korea

DEVELOPMENT IN EAST ASIA

SESSION 1.

Friday, November 25, 1983 / 3:00 P.M. - 6:30 P.M.
Chicago F and G

1. ECONOMIC DEVELOPMENT IN SOUTH KOREA



PAUL W. KUZNETS
Associate Professor
of Economics
Indiana University
Bloomington, Indiana, USA

DISCUSSANTS

UNG SOO KIM
Professor of Economics
Catholic University
of America
Washington, D. C., USA

BON HO KOO
Professor of Economics
Deputy Dean of
Graduate School
Hanyang University,
Seoul, Korea

2. ECONOMIC DEVELOPMENT OF TAIWAN (1950-1980)



JOHN C. H. FEI
Economic Growth Center
Yale University
New Haven,
Connecticut, USA

DISCUSSANTS

JAMES C. HSIUNG
Professor of Politics
New York University
New York, USA

IPPEI YAMAZAWA
Professor of International
Economics
Hitotsubashi University
Tokyo, Japan

3. INDONESIA'S NEW ORDER, PANCASILA, AND DEVELOPMENT



**STUART WILLIAM
GREIF**
Professor of Political Studies
University of Otago
Dunedin, New Zealand

DISCUSSANTS

ARIFIN BEY
Visiting Professor of
International Politics
Tsukuba University, Japan/
Indonesia

S.C. NAINGGOLAN
President
Christian University of
Indonesia at Jakarta

4. ECONOMIC DEVELOPMENT IN HONG KONG AND SINGAPORE



SIDNEY KLEIN
Professor of Economics
California State University
Fullerton, California, USA

DISCUSSANTS

TOSHIO AOKI
Director, Overseas Economic
Cooperation Fund
(ASEAN Countries)
Tokyo, Japan

DEVELOPMENT IN LATIN AMERICA

SESSION 2.

Saturday, November 26, 1983 / 9:00 A.M. - 12:30 P.M.
Chicago F and G

5. STAGNATION AND DEVELOPMENT IN ARGENTINA



**EDGARDO
CATTERBERG**
Instituto IPSA, S.A.
Audits & Surveys
Latin-America
Buenos Aires, Argentina
and L. Viviana Lerner
(co-author)

DISCUSSANTS

CAMILO DAGUM
Professor of Economics
University of Ottawa
Ontario, Canada

DEVELOPMENTAL EXPERIENCES IN EAST ASIA AND LATIN AMERICA

Drawing upon and comparing experiences in development in East Asia and Latin America, this committee is to address the question of why certain countries are able to develop while others are not. The approach to this question will be as interdisciplinary and comparative as possible; the committee will include social scientists with comparative perspectives. The concept of "development" is defined in terms of economic and political dimensions. "Developmental Experiences" encompasses policies on economic growth and distribution, patterns of support for different policies and the regimes pressing for them, and the structural differentiation and cultural changes that accompany economic and political development. Thus, the main thrust of each paper will be on the role of leadership, legitimacy and policy process, in both their formulation and implementation, in the course of the economic and political development of each nation that has been selected for comparative study. Through committee activities, it is hoped to make some significant contribution to the general literature dealing with theories of development.

6. DEVELOPMENT STRATEGIES IN CHILE, 1964-1983: THE LESSONS OF FAILURE



PAUL E. SIGMUND
*Professor of Politics
Director, Latin American
Studies Program
Princeton University
Princeton, New Jersey, USA*

DISCUSSANTS

TAKAO FUKUCHI
*Professor of Economics,
Tsukuba University, Japan;
Director, Economic
Research Institute*

**ARMANDO DE LA
TORRE**

*Dean, Division of
Social Sciences
Francisco Marroquin
University
Guatemala City, Guatemala*

7. EXPANSION OF THE ECONOMIC FRONTIER: PARAGUAYAN GROWTH IN THE 1970s



WERNER BAER
*Professor of Economics
University of Illinois
Urbana, Illinois, USA
and Melissa H. Birch
(co-author)*

DISCUSSANTS

MARCELO ALONSO
*Executive Director
Florida Institute
of Technology,
Research and Engineering
Melbourne, Florida*

WIMAL GUNAWARDENA

*Professor of Techno-
Social Systems
University of Los
Andes, Venezuela;
Chairman, Anglo-
Andino Engineers
Sri Lanka*

DEVELOPMENT FOR THE FUTURE

SESSION 3.
Sunday, November 27, 1983 / 9:00 A.M.-12:30 P.M.
Chicago F and G

8. THE STUDY OF DEVELOPMENT IN THE 1980s



FREDERICK C. TURNER
*Professor of Political Science
University of Connecticut
Storrs, Connecticut, USA*

DISCUSSANTS

HAROLD GUETZKOW
*Fulcher Professor of
Political Science
Northwestern University
Evanston, Illinois, USA*

PANEL DISCUSSION

COMMITTEE V



HONORARY CHAIRMAN
Karl H. Pribram
Professor of Neuroscience
Stanford University, California,
USA



ORGANIZING CHAIRMAN
Diane McGuinness
Department of Psychology
Stanford University, California,
USA

AGGRESSION AND DOMINANCE IN NON-HUMAN PRIMATES

SESSION 1.

Friday, November 25, 1983 / 3:00 P.M.-6:30 P.M.
Chicago A and B

1. SOME ASPECTS OF AGGRESSION AND REASSURANCE IN MACAQUES



WALTER ANGST
Primatologist
Salem, West Germany

DISCUSSANTS

JOSE M. R. DELGADO
Director, Department
of Research
Ramon y Cajal Center
Madrid, Spain

**DIANE LOPEZ-
MENDOZA**
Department of Research
Ramon y Cajal Center
Madrid, Spain

2. INEQUALITY VERSUS EQUALITY FOR COEXISTENCE IN PRIMATE SOCIETIES



JUNICHIRO ITANI
Professor of Primatology
Laboratory of Human
Evolution Studies
Faculty of Science
Kyoto University, Japan

DISCUSSANTS

TAKAYOSHI KANO
Department of Human Ecology
School of Health Sciences
Faculty of Medicine
University of the Ryukyus
Nishihara, Okinawa, Japan

ROBERT L. TRIVERS
Professor of Biology
University of California
Santa Cruz, California, USA

FILMS:
THE PYGMY CHIMPANZEE
MACCACA

AGGRESSION AND DOMINANCE IN SMALL HUMAN SOCIETIES

SESSION 2.

Saturday, November 26, 1983 / 2:30 P.M.-6:30 P.M.
Chicago E

3. FORM AND INTENTION IN EAST AFRICAN STRATEGIES OF DOMINANCE AND AGGRESSION

DISCUSSANTS

JOHN G. GALATY
Associate Professor
of Anthropology
McGill University
Montreal, Canada

ARMAND CLESSE
Nuclear Strategist
Eschdorf, Luxembourg

4. WARFARE IN THE NEW GUINEA HIGHLANDS: THEORY AND ETHNOGRAPHY IN CONFLICT



EDWARD LIPUMA
Anthropologist and
Research Associate
Center for
Psychosocial Studies
Chicago, Illinois, USA

DISCUSSANTS

SHIN PYO KANG
Professor of Sociology
Chairman, Department
of Anthropology
Hanyang University
Seoul, Korea

5. LETHAL DANCE



**SARAH KEENE
MELTZOFF**
Anthropologist and President,
Bureau of
Indo-Pacific Economic
Development
Chicago, Illinois, USA

DISCUSSANTS

CHET S. LANCASTER
NIMH Postdoctoral Fellow
College of Medicine, Division
of Community Medicine
University of Oklahoma,
Oklahoma City, USA

THE EMOTIONS: FOCUS ON INTER-MALE AGGRESSION AND DOMINANCE SYSTEMS

This committee will focus on the issue of the causes and control of aggression through dominance hierarchies. Film material from primatology and anthropology has been the focus of an assessment of the differences and similarities in the expression and management of conflict in non-human and human primates in different cultures.

The participants span a wide range of disciplines which include psychology, primatology, anthropology and international relations. Because of this breadth of expertise, we anticipate some exciting discoveries and hope to reach a new level of discourse.

6. DOMINANCE SYSTEMS AMONG PRIMATE ADOLESCENTS



RITCH C. SAVIN-WILLIAMS
*Associate Professor
Department of Human
Development and
Family Studies
Cornell University
Ithaca, New York, USA*

DISCUSSANTS

JERRY D. BOUCHER
*Research Associate
East-West Center
Culture Learning Institute
Honolulu, Hawaii*

JOSEPH SHEPHER
*Professor of Sociology and
Anthropology, Chairman
Research Authority
University of Haifa, Israel*

**FILMS:
DEAD BIRDS
THE FEAST**

AGGRESSION AND DOMINANCE: BIOLOGICAL, PSYCHOLOGICAL, ANTHROPOLOGICAL, AND POLITICAL IMPLICATIONS

SESSION 3.

Sunday, November 27, 1983 / 9:00 A.M. - 12:30 P.M.
Chicago A and B

7. DOMINANCE



KENNETH E. MOYER
*Professor of Psychology
Carnegie-Mellon University
Pittsburgh, Pennsylvania,
USA*

8. COMPETING MODELS OF HIERARCHY: ANIMAL INTELLECT AND HUMAN INSTINCT



PETER C. REYNOLDS
*Anthropologist and Vice
President, Bureau of
Indo-Pacific Economic
Development
San Bruno, California, USA*

9. AGGRESSION AND DOMINANCE SYSTEMS: SOME COMMENTS



JAMES A. SCHELLENBERG
*Professor of Sociology
Indiana State University
Terre Haute, Indiana, USA*

**PANEL DISCUSSION
FILM: ESSAY ON WAR**

COMMITTEE VI



HONORARY CHAIRMAN
Helmut E. Landsberg
Emeritus Professor of Meteorology
University of Maryland
College Park, USA



ORGANIZING CHAIRMAN
S. Fred Singer
Professor of Environmental
Sciences
University of Virginia,
Charlottesville, USA

SESSION 1.

Friday, November 25, 1983 / 3:00 P.M. - 6:30 P.M.
 Chicago D

1. CARBON DIOXIDE AND CLIMATE CHANGE: IMPLICATIONS FOR MANKIND'S FUTURE



WILLIAM W. KELLOGG
Senior Scientist, Advanced
Study Program
National Center for
Atmospheric Research
Boulder, Colorado, USA

DISCUSSANTS

HUGH W. ELLSAESSER
Lawrence Livermore
Radiation Laboratory
Stanford, California, USA

JIRO KONDO
Emeritus Professor of
Engineering
University of Tokyo;
Director, National Institute of
Environmental Studies,
Tokyo, Japan

2. METHANE IN THE ATMOSPHERE



RALPH J. CICERONE
Director, Atmospheric
Chemistry and Aeronomy
Division
National Center for
Atmospheric Research
Boulder, Colorado, USA

DISCUSSANTS

KUNIHICO WATANUKI
Associate Professor of
Chemistry
University of Tokyo;
Director, Japan Association
of Analytical Chemistry

3. MANKIND'S EFFECT ON STRATOSPHERIC OZONE



F. SHERWOOD ROWLAND
Department of Chemistry
University of California
Irvine, California, USA

DISCUSSANTS

THOMAS M. DONAHUE
Department of Atmospheric
& Oceanic Sciences
University of Michigan
Ann Arbor, Michigan, USA

ANDREW LACIS
Goddard Institute for
Space Studies
New York, New York USA

S. ISHTIAQUE RASOOL
Jet Propulsion Laboratory
Pasadena, California, USA

SESSION 2.

Saturday, November 26, 1983 / 2:30 P.M. - 6:30 P.M.
 Chicago F and G

4. ACID RAIN



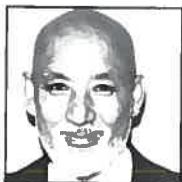
KENNETH MELLANBY
Director Emeritus
Monk's Wood
Experimental Station
Huntingdon, England

DISCUSSANTS

A. GORDON EVERETT
Rockville, Maryland, USA

JACQUES PICCARD
President, Fondation pour
l'Etude et la Protection de la
Mer et des Lacs
Cully, Switzerland

5. WORLDWIDE POLLUTION OF THE OCEANS



P. KILHO PARK
Manager, Ocean
Dumping Program
National Ocean Service
NOAA
Rockville, Maryland, USA

DISCUSSANTS

MICHAEL G. NORTON
First Secretary (Science)
British Embassy
Washington, D.C., USA/UK

GLOBAL ENVIRONMENTAL PROBLEMS

It has become evident that man can and does affect the bio-geochemical cycles of nature in a variety of ways. There have been noticeable changes in the chemical composition of the atmosphere and on the surface of the earth. Some of these changes are thought to have wide-ranging effects, including effects on the earth's climate.

In addition to changes which are the unintended by-product of human activities, there are also planned interventions in the land, water, or atmospheric environment. These might be called "planetary engineering."

Finally, there are naturally occurring changes, some rapid and even catastrophic, others quite slow and often involving feedback between the biosphere and the physical environment.

The purpose of the committee will be to describe these ongoing changes and estimate their probable consequences on the well being of the world's population.

6. WORLD WATER PROBLEMS: DESERTIFICATION



GERALD STANHILL
*The Volcani Center
Institute of Soils and Water
Agricultural Research
Organization, Ministry
of Agriculture
Bet-Dagan, Israel*

DISCUSSANTS

ADNAN BADRAN
*President and Professor
of Biology
Yarmouk University
Irbid, Jordan*

IBRAHIM ANTAR
*Director, Soil & Water
Institute Agricultural
Research Center Giza,
Egypt*

AVRAHAM MELAMED
*Tushia, Ltd.
Consulting Engineers
Tel Aviv, Israel*

SESSION 3.

*Sunday, November 27, 1983 / 9:00 A.M. - 12:30 P.M.
Chicago D*

7. ENHANCEMENT OF PRECIPITATION VIA SEA MIXING



GAD ASSAF
*Chief Scientist
Solmat Systems, Yavne, Israel*

DISCUSSANTS

COLLETTE SERRUYA
*Director General, Israel
Oceanographic and
Limnological Research, Ltd.
Haifa, Israel*

8. GLOBAL EFFECTS OF METEORITE IMPACTS AND VULCANISM



DEVENDRA LAL
*Visiting Scientist, Institute of
Geophysics and Planetary
Physics, UCLA, Los Angeles,
California, USA;
Senior Professor, Physical
Research Laboratory
Ahmedabad, India*

DISCUSSANTS

H. GRANT GOODELL
*Department of
Environmental Sciences
University of Virginia
Charlottesville, USA*

ANDREW LACIS
*Goddard Institute for
Space Studies
New York, New York, USA*

9. THE GAIA HYPOTHESIS: MECHANISMS AND TESTS

DISCUSSANTS

ANDREW J. WATSON
*Marine Biological
Association of the U.K.,
The Laboratory,
Plymouth, England*

BRUCE HAYDEN
*Department of
Environmental Sciences
University of Virginia
Charlottesville, USA*

ABRAHAM LERMAN
*Professor of Geological
Sciences
Northwestern University
Evanston, Illinois, USA*

GENERAL DISCUSSANTS

ROBERT U. AYRES
*Professor of Engineering and
Public Policy
Carnegie-Mellon University
Pittsburgh, Pennsylvania,
USA*

R. A. LYTTLETON
*Emeritus Professor of
Theoretical Astronomy
Institute of Astronomy
University of Cambridge
England*

CHONG SUPP SHIM
*President
National Academy of Sciences
of Korea
Seoul*

GERALD A. SOFFEN
*Chief Scientist
Goddard Space Flight Center
Green Belt, Maryland, USA*

CLAUDE A. VILLEE, JR.
*Andelot Professor of
Biological Chemistry
Harvard University
Medical School
Cambridge, Massachusetts,
USA*

SYLVAN H. WITTEW
*Director
Agricultural Experiment
Station
Michigan State University
East Lansing, USA*

WHAT IS "ICUS"?

"ICUS" stands for the annual "International Conference on the Unity of the Sciences." Sponsored by the International Cultural Foundation, Inc., this unique conference convenes distinguished scholars and scientists from around the globe and from every field of study to pursue timely and significant issues of worldwide concern. Conference themes have been developed around the search for a central standard of value to solve the crisis of fragmentation of the sciences in the face of pressing global problems.

What makes this conference unique? ICUS is the only conference of its kind which is truly international, interdisciplinary, and concerned with the world as a whole. There is very little institutional support for a meeting of such scope among most scientific and educational organizations with more limited concerns, despite a very real need.

And what is this particular need to which ICUS responds? Dr. Alexander King, Chairman of the International Federation of Institutes for Advanced Study and Co-Founder of The Club of Rome, explains it as follows:

"ICUS is the only world occasion where scholars from diverse disciplines can come together and discuss mutual interactions in their work as a multi-disciplinary attack on global problems."

ICUS is the only world occasion where scholars from diverse disciplines can come together and discuss mutual interactions in their work as a multi-disciplinary attack on global problems.



STATEMENT OF PURPOSE

Science has developed with the ideal of increasing human knowledge, and indeed, has contributed greatly to human prosperity. Mankind, however, is presently confronted with grave dangers resulting from the often unintended, but harmful side effects of technological applications of scientific knowledge; environmental pollution, populations and cities under stress, global economic inequalities, shortages of energy and other natural resources, and the threat of nuclear disaster.

Underlying these ecological dangers is a fundamental crisis of values—the loss of confidence in traditional religious beliefs and philosophies as reliable standards of moral and ethical behavior.

Some would argue that scientific progress has actually precipitated our present moral dilemma. What emerges is the growing recognition of the critical importance of the search for a more integrated understanding which harmonizes the diverse fields of human knowledge with a guiding standard of value.

As scholars and scientists pursue their specialized fields of study, we ask: to what extent do such pursuits contribute to solving the moral and social crisis of our time? Our intellectual endeavors will solve human problems more effectively if we can agree on a central standard of value to guide the theoretical quest and practical application of scientific knowledge. Without such agreement, our knowledge may lead to self-destruction. Therefore, the purpose of ICUS is to provide an opportunity for scholars and scientists to reflect on the nature of knowledge and to discuss the relationship of science to the standard of value.

What emerges is the growing recognition of the critical importance of the search for a more integrated understanding which harmonizes the diverse fields of human knowledge with a guiding standard of value.



HISTORY

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 with more focused attention being given to committee work and publication.

- 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** *The 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.*



The Reverend Sun Myung Moon, founder of the International Cultural Foundation, Inc. which sponsors the International Conference on the Unity of the Sciences.



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 the peace and prosperity of the world. The Academy is composed of scholars from around the world who are concerned with the crisis of modern civilization and because of that concern are willing to commit themselves to the utilization of 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 humanity with suggestions on how to obtain 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.



OTHER ICF SPONSORED PROGRAMS

Introductory Seminars on the Unification Movement (ISUM)

Over the past five years, the Seminars Department of the International Cultural Foundation has organized twenty meetings in fourteen 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—either personal or professional or just to be better able to answer colleagues' questions—in learning more about the Founder and Sponsorship of ICF. More than 1300 scholars and professionals from over seventy nations have attended ISUM.

The core of the introductory seminar is a series of twelve lectures, given over five days, on the Divine Principle, 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 Rev. 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.



SEMINAR SITES

1978	Hawaii Spain Puerto Rico	1982	USA Brazil Jamaica Egypt Philippines Peru
1979	Hawaii Greece Puerto Rico	1983	Italy Bahamas Thailand Argentina
1980	Kenya Mexico		
1981	Ivory Coast Mexico Brazil		

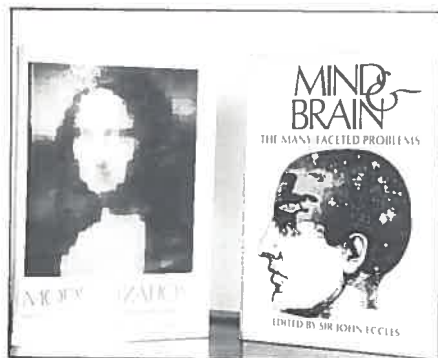


OTHER ICF SPONSORED PROGRAMS *Cont'd*

Paragon House Publishers

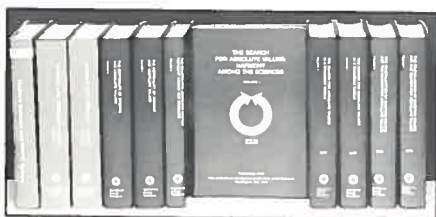
Paragon House is an independent publishing house established to distribute works spanning the fields of the humanities, the social, and natural sciences. Through its publishing program, Paragon House offers books of cultural significance with a specifically international and interdisciplinary character. While Paragon House will conduct a vigorous international marketing program, it also seeks deserving manuscripts without regard to immediate financial return. In all of its publications, Paragon House is committed to the highest standards of scholarship.

Under the supervision of an independent Editorial Board, Paragon House operates autonomously and does not reflect any particular philosophy or creed in selecting manuscripts for publication. The editors will be happy to discuss any proposal of interest or merit.



ICF Press

International Cultural Foundation Press has served as the publishing arm of ICF in support of the first eleven ICUS conferences. It has published the proceedings of each annual ICUS conference from the second in Tokyo to the eleventh in Philadelphia. To commemorate the first ten ICUS conferences, ICF Press published *Science and Absolute Values, Ten Addresses by Sun Myung Moon*.



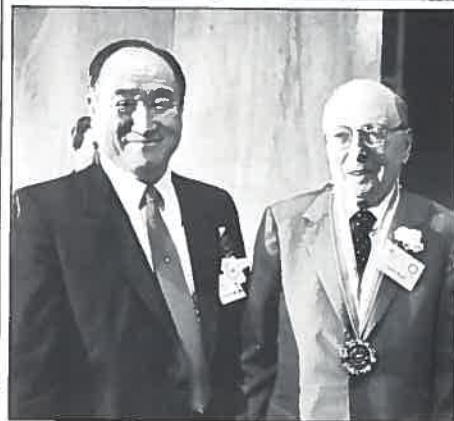
The Washington Institute for Values in Public Policy (WI)

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.



ICF Founder's Award

The ICF Founder's Award is an award recognizing the outstanding achievements of great scholars in their fields of professional expertise as well as their contributions in the service of humanity and furthering the cause of world peace. This award, including a substantial cash prize, is presented biennially by the Reverend Sun Myung Moon on the occasion of the International Conference on the Unity of the Sciences.



Eugene P. Wigner receives the first ICF Founder's Award at ICUS XI, Philadelphia, 1982.

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The International Cultural Foundation, sponsor of the International Conference on the Unity of the Sciences, is a non-profit organization dedicated to promoting academic, scientific, religious and cultural exchange among the countries of the world. Founded in 1968 by the Reverend Sun Myung Moon, the Foundation is now headquartered in New York with branches throughout the world.

The International Cultural Foundation is authorized to receive and is supported by contributions. Grateful appreciation is given to the Unification Church International for its financial support which makes the ICUS series possible. Participation in ICUS and other programs of ICF implies neither acceptance nor endorsement of the tenets and activities of the Unification Church.

MAIN ICF BRANCH OFFICES

AFRICA

EGYPT

Walter Gottesman
c/o A. U. C. M.
B.P. 108
75662 Paris, Cedex 14
France

KENYA

Izumi Nonami
P.O. Box 46973
Nairobi

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Surulere
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ZAIRE

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Kinshasa

ZAMBIA

Robert Williamson
P.O. Box 34369
Lusaka

ASIA

JAPAN

Jun-ichiro Owaki
Kioicho TBR Building, Room 907
5-7, Koji-machi
Chiyoda-Ku
Tokyo 102

KOREA

Dong Moon Joo
12th floor, Chongkundang Bldg.
368-2, 3 Ka, Choongjeong-ro
Seodaemoon-Ku
Seoul

PHILIPPINES

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545 Tanglaw Str.
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Nugegoda

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6 fl., 68, Sec. 2
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Taipei

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P.O. Box 11-268
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Veronique Gilet
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Torkil Christiansen
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DK-1610 Kobenhavn V

FINLAND

Kaarina Huoponen
P.O. Box 109
SF-00171 Helsinki 17

FRANCE

Didier Rias
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75005 Paris

GERMANY

Heinrich Weber
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Halvard K. Iversen
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IRELAND

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Lisbon 2

SWEDEN

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Don Trubshaw
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Michael Leone
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OCEANIA

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G.P.O. Box 1985R
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ULF SVENTE VON EULER

Born: February 7, 1905 Died: March 10, 1983

Professor Ulf Svente von Euler served as International Advisor for five ICUSs and Vice Chairman for ICUS IX and X and was a recipient of the Nobel Prize in Medicine-Physiology in 1970.

Trained first as a medical doctor in Sweden, then as a research scientist through studies in the United Kingdom and Argentina, Dr. von Euler became Professor of Physiology at the Karolinska Institutet in 1939. He also served as member of the Swedish Medical Research Council from 1955-1973, member of the Scientific Advisory Committee of the State Medical Board in 1947, Chairman of the Board of Directors of the Nobel Foundation since 1965 and Vice President of International Union of Physiological Sciences, 1965-1971.

In his lifetime, he received many awards: honorary doctorates from Rio de Janeiro in 1953, Umea in 1958, Dijon in 1962, Gent in 1963, Tübingen in 1964, and Buenos Aires in 1971. In 1954, he became Honorary Fellow of the American College of Physicians and in 1970 of the American Heart Association.

Professor von Euler was an active supporter of the ICUS from 1975 up to the time of his death. He will be remembered fondly within the ICUS family as well as throughout the world as a gentleman, a friend and a man of culture. He is survived by his wife Dagmar Cronstedt, and children by previous marriage—Leo, Christopher, Ursula and Marie.



CHUNG HWAN KWAK



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GENERAL INFORMATION

Name Badge Please wear your name badge. It allows you entry to all functions. White-participant, tan-observer, green-staff, pink-media.

Dietary Plans Vegetarian: At each conference meal there will be a special buffet section for vegetarians. No pork: Non-pork breakfasts may be ordered individually from the waiter. There will be no pork served at the luncheons or dinners.

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Tour A local tour has been arranged for spouses and children on Saturday afternoon, November 26th from 1:30 p.m.—6:00 p.m. Please sign up at the registration booth in the fifth floor foyer.

Billing All incidental charges including outside telephone calls will be billed to you upon check-out. Please return your room key to the cashier and settle your bill as you check out.

