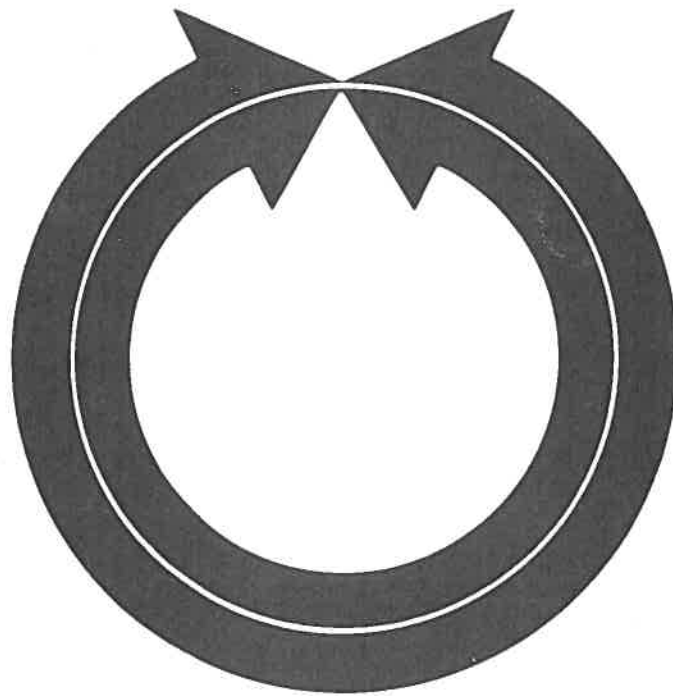


# PROGRAM

## THE SEARCH FOR ABSOLUTE VALUES AND THE CREATION OF THE NEW WORLD



# ICUS

THE TENTH INTERNATIONAL CONFERENCE  
ON THE  
UNITY OF THE SCIENCES

NOVEMBER 9 - 13, 1981  
HOTEL LOTTE  
SEOUL, KOREA

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## WHAT IS "ICUS"?

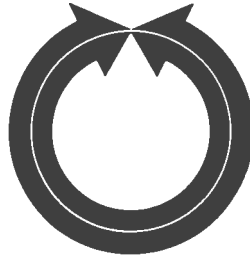
"ICUS" stands for the annual "International Conference on the Unity of the Sciences." Sponsored by the International Cultural Foundation, Inc., this unique conference convenes distinguished scholars and scientists from around the globe and from every field of study to pursue timely and significant issues 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 multidisciplinary attack on global problems."

Over 600 scholars and scientists from 100 nations will gather this weekend in Seoul for the Tenth ICUS. Under the general theme of "The Search for Absolute Values and the Creation of a New World," they will advance the pursuit for answers to the perplexing problems of our age.



ICUS

## PURPOSE OF ICUS

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 and instabilities, 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.

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The symbol of ICUS represents the dynamics of religious and scientific knowledge, or the subjective and the objective.

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# TENTH ICUS ADVISORY BOARD

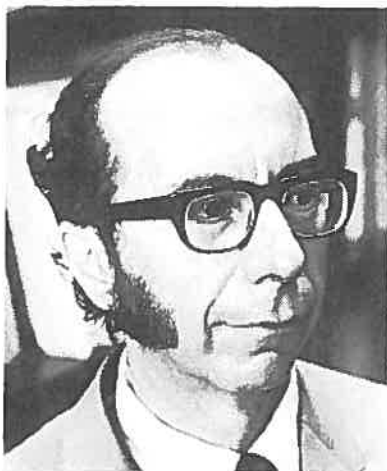
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1. **Marcelo Alonso**, Executive Director  
Florida Institute of Technology Research and  
Engineering, Inc., USA
2. **Julian L. Ambrus**, Professor of Internal  
Medicine and Experimental Pathology,  
SUNY-Buffalo, USA
3. **W.W. Bartley, III**, Professor of Philosophy  
California State University at Hayward, USA
4. **Rene Berger**, Director-curator  
Museum of Fine Arts, Switzerland
5. **Alfonso Borrero**, Executive Director  
Association of Columbian Universities
6. **Sir John Eccles**, Distinguished Emeritus  
Professor, SUNY-Buffalo, USA/Switzerland
7. **Franco Ferracuti**, Professor of Criminological  
Medicine and Forensic Psychiatry  
University of Rome, Italy
8. **Nobuyuki Fukuda**, Vice President and  
Professor of Theoretical Physics, University  
of Tsukuba, Japan
9. **Paul Y. Hammond**, Edward R. Weidlein  
Professor of Environmental and Public Policy  
Studies, University of Pittsburgh, USA
10. **C. Lowell Harriss**, Professor of Economics  
Columbia University, USA
11. **Max Jammer**, Professor of Natural  
Philosophy and History of Science  
Bar-Ilan University, Israel
12. **Alexander King**, Chairman  
IFIAS, Paris, France
13. **Nicholas N. Kittrie**, Professor of Law and  
Dean, The American University Law School,  
USA
14. **Koentjaraningrat**, Professor and Head  
Department of Anthropology  
University of Indonesia, Djakarta
15. **Nicholas Kurti**, Emeritus Professor of  
Physics, University of Oxford, UK
16. **T. A. Lambo**, Deputy Director General  
World Health Organization (W.H.O.)  
Geneva, Switzerland
17. **Hang-Nyong Lee**, President and  
Professor of Philosophy of Law  
Hong-ik University, Korea
18. **Peter P. Lejins**, Professor and Director  
Emeritus, Institute of Criminal Justice and  
Criminology, University of Maryland, USA
19. **Abba P. Lerner**, Professor of Economics  
The Florida State University  
Tallahassee, USA
20. **Masatoshi Matsushita**, President  
Professors World Peace Academy of Japan
21. **Ali A. Mazrui**, Professor of Political Science  
and Director, Center for Afro-American and  
African Studies, University of Michigan  
USA/Kenya
22. **Robert S. Mulliken**, Professor of Chemistry  
University of Chicago, USA
23. **Sir Charles A. Moses**, Past Secretary-General  
Asian Broadcasting Union, Sydney, Australia
24. **Aurelio Peccei**, Founder and President  
The Club of Rome, Italy
25. **Guido Pincheira**, Director of Research and  
Professor of Genetics  
University of Chile
26. **Karl H. Pribram**, Professor of Neuroscience  
Stanford University, California, USA
27. **Gerard Radnitzky**, Professor of Philosophy  
University of Trier, West Germany
28. **Richard L. Rubenstein**, Distinguished  
Professor of Philosophy  
The Florida State University, Tallahassee,  
USA
29. **Franz Seitelberger**, Extraordinary Professor  
and Director, Institute of Neurology,  
University of Vienna, Austria
30. **Frederick Seitz**, Former President  
Rockefeller University, USA
31. **Joseph Silverman**, Professor and Director  
Institute for Physical Science and  
Technology, University of Maryland, USA
32. **Elliott P. Skinner**, Franz Boas Professor of  
Anthropology, Columbia University, USA
33. **Ninian Smart**, Professor of Religious Studies  
University of Lancaster, UK
34. **Frederick E. Sontag**, Robert C. Denison  
Professor of Philosophy, Pomona College  
Claremont, California, USA
35. **Mangalam Srinivasan**, Professor of  
Cybernetics and Technology Assessment  
American University, USA
36. **Claude E. Villet, Jr.**, Andelot Professor  
of Biological Chemistry  
Harvard University, USA
37. **R. J. Zwi Werblowski**, Professor of  
Comparative Religion  
The Hebrew University of Jerusalem, Israel
38. **Roger W. Wescott**, Professor of Anthropology  
and Linguistics, Drew University, USA
39. **Eugene P. Wigner**, Emeritus Professor of  
Physics, Princeton University, USA
40. **Herman Wold**, Professor of Statistics  
University of Uppsala, Sweden
41. **Pyung-Do Yi**, Professor Emeritus  
Seoul National University; President  
Korean National Academy of Sciences

# TENTH ICUS CHAIRMAN'S BOARD

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## CHAIRMAN



**Morton A. Kaplan**

Professor of Political Science and Chairman  
Committee on International Relations  
University of Chicago, USA

## VICE-CHAIRMAN



**U.S. von Euler**

Professor of Physiology  
Karolinska Institute  
Stockholm, Sweden

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## TECHNOLOGY AND SOCIETY IN TRANSITION COMMITTEE II CHAIRMAN



**Alvin M. Weinberg**

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

## THE FUTURE OF TECHNOLOGY AND SOCIETY COMMITTEE III CHAIRMAN



**Kenneth Mellanby**

Director Emeritus  
Monk's Wood Experimental Station  
Huntingdon, England

VICE-CHAIRMAN



**Pyong Do Yi**  
Emeritus Professor of History  
Seoul National University, Korea

COMPARATIVE DEVELOPMENT:  
THE PRESENT  
COMMITTEE I CHAIRMAN



**John Golden**  
President  
Quarry Hill, Ltd.  
Arlington, Virginia, USA

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TRANSFORMATIONS OF THE  
INDIVIDUAL IN SOCIETY  
COMMITTEE IV CHAIRMAN



**Richard L. Rubenstein**  
Robert O. Lawton Distinguished  
Professor of Religion  
The Florida State University  
Tallahassee, Florida, USA

TRANSFORMATIONS IN CONSCIOUSNESS  
COMMITTEE V CHAIRMAN



**Karl H. Pribram**  
Professor of Neuroscience  
Departments of Psychology and of Psychiatry  
and Behavioral Sciences  
Stanford University, California, USA

# AGENDA

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## 9 NOVEMBER Monday

1:00 PM Luncheon

Crystal Ballroom  
(2nd floor, Hotel Lotte)

6:30 PM Welcoming Reception

Crystal Ballroom

## 10 NOVEMBER Tuesday

7:30 AM Breakfast

Crystal Ballroom

9:00 AM Buses depart for Opening Ceremony

Lobby Entrance,  
Hotel Lotte

10:00 AM Opening Ceremony

Sejong Cultural  
Center

12 NOON Break and Return

1:00 PM Luncheon

Crystal Ballroom

3:00 PM Committees Meet—Group A Presentations  
Committee I (see p. 10)

New World Room  
(19th floor,  
Hotel President)

Committee II (see p. 14)

Three Kingdoms  
Room (Lobby Level,  
Chosun Hotel)

Committee III (see p. 18)

Yijo Room  
(Lobby Level,  
Chosun Hotel)

Committee IV (see p. 21 and 22)

Emerald Room  
(2nd floor, Hotel Lotte)

Committee V (FREE)

4:30 PM Coffee Break

5:00 PM Committee Meetings Continue—Group A

7:00 PM Dinner

Crystal Ballroom



**11 NOVEMBER**  
**Wednesday**

7:30 AM Breakfast	Crystal Ballroom
9:00 AM Committees Meet—Group B Presentations	
Committee I (see p. 11)	New World Room, President
Committee II (see p. 15)	Three Kingdoms Room, Chosun
Committee III (see p. 19)	Yijo Room, Chosun
Committee IV (FREE)	
Committee V (see p. 26)	Emerald Room, Lotte
10:30 AM Coffee Break	
11:00 AM Committee Meetings Continue—Group B	
12:30 PM Luncheon	Crystal Ballroom
2:30 PM Committees Meet—Group C Presentations	
Committee I (see p. 12)	New World Room, President
Committee II (see p. 16)	Three Kingdoms Room, Chosun
Committee III (FREE)	
Committee IV (see p. 23)	Emerald Room, Lotte
Committee V (see p. 27)	Yijo Room, Chosun
4:00 PM Coffee Break	
4:30 PM Committee Meetings Continue—Group C	
6:30 PM Dinner	Crystal Ballroom
8:00 PM Session #1:	Three Kingdoms Room, Chosun
Global Congress of World's Religions	
Special Lecture:	Emerald Room, Lotte
"The Unity of the Sciences"	
by Huseyin Yilmaz	
Director, Department of Applied and Basic Advanced Technology	
Hamamatsu T.V. of Japan	
Winchester, Massachusetts, USA	

**12 NOVEMBER**  
**Thursday**

7:30 AM Breakfast	Crystal Ballroom
9:00 AM Committees Meet—Group D Presentations	
Committee I (see p. 13)	New World Room, President
Committee II (FREE)	
Committee III (see p. 20)	Yijo Room, Chosun
Committee IV (see p. 24)	Emerald Room, Lotte
Committee V (see p. 28)	Three Kingdoms Room, Chosun
10:30 AM Coffee Break	
11:00 AM Committee Meetings Continue—Group D	
12:30 PM Luncheon and Speaker	Crystal Ballroom
“Global Approach to World Disorder” by Masaki Nakajima Senior Advisor and Former President Mitsubishi Research Institute Tokyo, Japan	
3:00 PM Meeting of Professors’ World Peace Academy	New World Room, President
5:00 PM Coffee Break	
6:30 PM Dinner	Crystal Ballroom
8:00 PM Session #2: Global Congress of World’s Religions	Three Kingdoms Room, Chosun
Special Women’s Session: “Women’s Roles in Changing Cultures”	Emerald Room, Lotte

**13 NOVEMBER****Friday**

7:30 AM Breakfast	Crystal Ballroom
9:00 AM Committees Meet—Group E Presentations	
Committee I (FREE)	
Committee II (see p. 17)	Three Kingdoms Room, Chosun
Committee III (FREE)	
Committee IV (see p. 25)	Emerald Room, Lotte
Committee V (see p. 29)	Yijo Room, Chosun
10:30 AM Coffee Break	
11:00 AM Committee Meetings Continue—Group E	
12:30 PM Combined Luncheon and Closing Plenary Session	Crystal Ballroom
4:00 PM Buses depart for Farewell Banquet	Lobby Entrance, Lotte
5:30 PM Guided Tour	Little Angels' School
6:30 PM Farewell Banquet hosted by the Reverend and Mrs. Sun Myung Moon	Little Angels' Performing Arts Center

**14 NOVEMBER****Saturday**

7:00 AM Breakfast	Crystal Ballroom
8:00 AM Buses depart for Tours	Lobby Entrance, Lotte

# COMMITTEE I

## COMPARATIVE DEVELOPMENT: THE PRESENT

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**CHAIRMAN  
JOHN GOLDEN**

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**GROUP A: THE RESOURCE-DEFICIENT NEWLY-INDUSTRIAL NATIONS**  
**10 NOVEMBER, TUESDAY — 3:00 p.m.**



**CHAIRMAN: BON HO KOO**  
Professor of Economics  
Han Yang University  
Seoul, Korea

### Topics and Speakers (A)

#### **“Comparative Development—With Special Reference to Japan”**



**SPEAKER:** Shigeo Kurebayashi  
President, International Economic Research Center  
Tokyo, Japan

**DISCUSSANT:** Tai Ying Liu  
Deputy Director  
Taiwan Institute of Economic Research  
Taipei, Republic of China

**Shigeo Kurebayashi**

#### **“Comparative Development—With Special Reference to Korea”**

**SPEAKER:** Bon Ho Koo  
Group Chairman

**DISCUSSANT:** K.S. Sandhu  
Director  
Institute of Southeast Asian Studies  
Singapore

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**GROUP B: THE RESOURCE-EXPORTING DEVELOPING NATIONS**  
**11 NOVEMBER, WEDNESDAY — 9:00 a.m.**



**CHAIRMAN: MOHAMED AHMED SAKR**

Professor of Economics  
University of Jordan  
Amman/Saudi Arabia

**Topics and Speakers (B)**

**“Non-Oil Resource-Exporting Countries and the Pattern of Development in the Middle East”**

**SPEAKER:** Ahmed K. Katanani  
Assistant Professor of Economics  
University of Jordan, Amman

**DISCUSSANT:** Khurshid Ahmad  
Chairman, Institute of Policy Studies  
Islamabad, Pakistan

**“Oil and Its Impact on Development of the Oil-Producing Countries”**



**Sultan Abou Ali**

**SPEAKER:** Sultan Abou Ali  
Professor and Chairman  
Department of Economics  
Zakazeeq University  
Egypt

**DISCUSSANT:** Ziadeen Ahmed  
Deputy Governor  
State Bank of Pakistan  
Karachi

**“African Resource—Exporting States: An Examination of the Periphery of the World Periphery”**



**R.I. Onwuka**

**SPEAKER:** R.I. Onwuka  
Head, Department of International Relations  
University of Ife  
Ile-Ife, Nigeria

**DISCUSSANT:** John Golden  
Committee Chairman

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**GROUP C: THE INDUSTRIAL VETERANS**  
**11 NOVEMBER, WEDNESDAY — 2:30 p.m.**



**CHAIRMAN: C. LOWELL HARRISS**  
Emeritus Professor of Economics  
Columbia University, New York, USA

**“East Europe and USA”**

**Topics and Speakers (C)**



**Lev E. Dobriansky**

**SPEAKER:** Lev E. Dobriansky  
Professor of Economics  
Georgetown University  
Washington, D.C., USA

**“The Teachings of Growth and Development”**



**Andre Piatier**

**SPEAKER:** Andre Piatier  
Professor of Studies  
University of Economic Law and Social Sciences  
Paris, France

**“Lessons for Less Developed Countries: The Japan and USA Cases”**



**Sidney Klein**

**SPEAKER:** Sidney Klein  
Professor of Economics  
California State University  
Fullerton, USA

**GENERAL DISCUSSANT:** David Colander, Professor of Economics  
University of Miami,  
Coral Gables, Florida, USA

**GROUP D: THE LESS DEVELOPED COUNTRIES: IN RISK OF CHRONIC POVERTY**

**12 NOVEMBER, THURSDAY — 9:00 a.m.**



**CHAIRMAN: MANGALAM SRINIVASAN**

Director, Technology Policy and Assistance Council  
Center for International Technical Cooperation;  
Professor of Cybernetics and Technology Assessment  
American University  
Washington, D.C., USA

**Topics and Speakers (D)**

**“The Less Developed Countries in Risk of Poverty With Special Reference to Latin America and the Caribbean”**



**SPEAKER:** Winthrop Wiltshire  
Head, Technical Information Service  
Caribbean Industrial Research Institute  
Trinidad and Tobago

**DISCUSSANT:** D.M. Lamberton  
Professor of Economics  
University of Queensland  
St. Lucia, Australia

**Winthrop Wiltshire**

**“Turning Past Disadvantages into Future Advantages:  
Tropical, Polar, Circumpolar, Arid and High Altitude Countries”**



**SPEAKER:** Magoroh Maruyama  
Research Professor  
Coal Extraction and Utilization Research Center  
Southern Illinois University  
Carbondale, Illinois, USA

**DISCUSSANT:** Asit Kumar Bhattacharyya  
Director, Rural Studies Center  
Visva-Bharati University  
West Bengal, India

**Magoroh Maruyama**

# COMMITTEE II

## TECHNOLOGY AND SOCIETY IN TRANSITION

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**CHAIRMAN**  
**ALVIN M. WEINBERG**

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**GROUP A: ENERGY**  
**10 NOVEMBER, TUESDAY — 3:00 p.m.**



**CHAIRMAN: NOBUYUKI FUKUDA**  
President  
University of Tsukuba, Japan

### Topics and Speakers (A)

**“Energy Options Until 2030”**  
**by Ian Fells, University of Newcastle Upon Tyne, England**

**PRESENTER:** Nicholas Kurti  
Emeritus Professor of Physics  
University of Oxford, England

**“The Vulnerability of Energy Supply: The Case of Japan”**



**SPEAKER:** Toyoaki Ikuta  
President  
Institute of Energy Economics  
Tokyo, Japan

**Toyoaki Ikuta**

**“Energy in the Third World”**

**SPEAKER:** Mangalam Srinivasan  
Director, Technology Policy and Assistance Council  
Center for International Technical Cooperation;  
Professor of Cybernetics and Technical Assessment  
American University  
Washington, D.C., USA

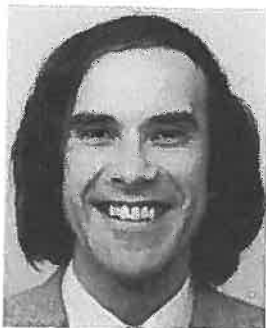
**GENERAL DISCUSSANT:** Eizaburo Nishibori, President  
Japan—Nepal Society, Tokyo



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**GROUP B:****INFORMATION****11 NOVEMBER, WEDNESDAY — 9:00 a.m.****CHAIRMAN: D.T.N. WILLIAMSON**

Engineer and Director, Retired  
Rank Xerox, Ltd.  
England

**Topics and Speakers (B)****“Robots, Sensors and the Automatic Factory”****SPEAKER:**

Paul K. Wright  
Associate Professor, Robotics Institute  
and Department of Mechanical Engineering  
Carnegie-Mellon University  
Pittsburgh, Pennsylvania, USA

**Paul K. Wright****“General Impacts of Microprocessors on Industry and Civilization”****SPEAKER:**

Ryoichi Mori  
Professor and Dean  
College of Information Sciences  
University of Tsukuba, Japan

**Ryoichi Mori**

GENERAL DISCUSSANT: John M. Bennett, Professor of Physics  
University of Sydney, Australia

**GROUP C:**

**MATERIALS**

**11 NOVEMBER, WEDNESDAY — 2:30 p.m.**



**CHAIRMAN:**

**NICHOLAS KURTI**

Emeritus Professor of Physics  
University of Oxford, England

**Topics and Speakers (C)**

**“Minerals Availability: The Challenge for Science and Technology”**



**SPEAKER:**

John E. Tilton  
Professor of Mineral Economics  
Penn State University  
University Park, Pennsylvania, USA

**John E. Tilton**

**“The World Water Problem”**



**SPEAKER:**

Gerald Stanhill  
Institute of Soils and Water  
The Volcani Center  
Agricultural Research Organization  
Ministry of Agriculture  
Bet-Dagan, Israel

**Gerald Stanhill**

**“The Entropy Trap: Is It Avoidable?”**

**SPEAKER:**

Robert U. Ayres  
Professor of Engineering and Public Policy  
Carnegie-Mellon University  
Pittsburgh, Pennsylvania, USA

**GENERAL DISCUSSANT:** Marcelo Alonso, Director, FITRE  
Florida Institute of Technology, Melbourne;  
Past Scientific Director  
Organization of American States



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

**Topics and Speakers (E)**

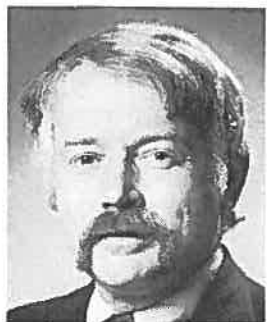
**“Basic Innovation and Industrial Growth”**



**SPEAKER:** Gerhard O. Mensch  
Visiting Professor of Economics  
Case-Western Reserve University  
Cleveland, Ohio, USA

**Gerhard O. Mensch**

**“Social Impacts of Changing Technology: The Question of Approach”**



**SPEAKER:** Peter N. Stearns  
Professor of History  
Carnegie-Mellon University  
Pittsburgh, Pennsylvania, USA

**Peter N. Stearns**

**“Appropriate Technology”**



**SPEAKER:** Pradeep K. Rohatgi  
Director  
Regional Research Laboratory  
Bhopal, India

**Pradeep K. Rohatgi**

# COMMITTEE III

## THE FUTURE OF TECHNOLOGY AND SOCIETY

**CHAIRMAN**  
**KENNETH MELLANBY**

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**GROUP A: THE CHANGING ROLE OF SCIENCE**  
**10 NOVEMBER, TUESDAY — 3:00 p.m.**



**CHAIRMAN: TOR RAGNAR GERHOLM**  
Professor of Physics  
University of Stockholm, Sweden

### **Topics and Speakers (A)**

#### **“The Introduction of Western Technology Into China and Japan”**



**Per Sorbom**

**SPEAKER:** Per Sorbom  
Associate Professor  
Department of History of Science and Ideas  
University of Uppsala, Sweden

**DISCUSSANT:** Noretta Koertge  
Associate Professor of History  
and Philosophy of Science  
Indiana University  
Bloomington, USA

#### **“The Complications of Applied Science”**



**Evandro Agazzi**

**SPEAKER:** Evandro Agazzi  
President  
International Academy of the Philosophy of Science  
Fribourg, Switzerland

**DISCUSSANT:** Eugene P. Wigner  
Thomas D. Jones Professor of Physics  
Princeton University  
New Jersey, USA

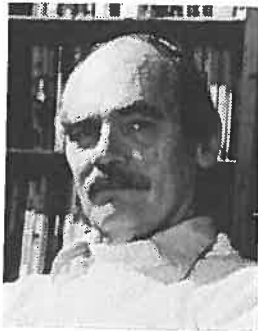
**GROUP B: DEVELOPMENTS OF TECHNOLOGY  
AND THEIR CONSEQUENCES**  
**11 NOVEMBER, WEDNESDAY — 9:00 a.m.**



**CHAIRMAN: JOSEPH SILVERMAN**  
Director, Institute for Physical Science  
University of Maryland  
College Park, USA

**Topics and Speakers (B)**

**“The Consequence of Technology: Emerging Effects and Discovered Needs”**



**Frederick Pohl**

**SPEAKER:** Frederick Pohl  
Author  
New York City, USA

**DISCUSSANT:** Sakyo Komatsu  
Electro Office  
Tokho, Japan

**“Information Technology: Are Its Impacts Predictable?”**



**Harold Linstone**

**SPEAKER:** Harold Linstone  
Professor of Systems Science and Director  
Futures Research Institute  
Portland State University  
Oregon, USA

**DISCUSSANT:** V.T. Stannett  
Vice Provost and Dean, Graduate School  
Camille Dreyfuss Professor of Chemical Engineering  
North Carolina University  
Durham, USA

**“The Future of Space Society”**

**SPEAKER:** Tatsuzo Obayashi  
Professor, Institute of Space  
and Aeronautical Science  
University of Tokyo, Japan

**DISCUSSANT:** Joseph Silverman  
Group Chairman

**GROUP D: POPULATION AND SOCIAL PATTERNS**  
**12 NOVEMBER, THURSDAY — 9:00 a.m.**



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

**Topics and Speakers (D)**

**“A Perspective of Population in Transition”**



**SPEAKER:** Edward O. Pratt  
Population/Health Specialist  
The World Bank  
Washington, D.C., USA/Sierra Leone

**Edward O. Pratt**

**“World Population Problem: Its Impact on the Family and Community”**



**SPEAKER:** Gervin P. Samarawickrama  
Professor and Head  
Department of Medicine  
Faculty of Medicine  
Galle, Sri Lanka

**Gervin P. Samarawickrama**

**“Biomedical Sciences and Social Patterns in the Twenty-First Century”**

**SPEAKER:** Claude A. Villem, Jr.  
Group Chairman

**GENERAL DISCUSSANT:** Stewart E. Fraser, Professor of Education  
Center for Comparative and International  
Studies in Education, La Trobe University  
Bundoora, Australia

# COMMITTEE IV TRANSFORMATIONS OF THE INDIVIDUAL IN SOCIETY

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**CHAIRMAN**  
**RICHARD L. RUBENSTEIN**

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**GROUP A: APPROACHES TO HEALTH AND HEALING — EAST AND WEST**  
**10 NOVEMBER, TUESDAY — 3:00 p.m.**



**CHAIRMAN: LUDWIG E. FEINENDEGEN**  
Professor of Nuclear Medicine and Director  
Institute for Nuclear Medical Research  
University of Duesseldorf, West Germany

## **Topics and Speakers (A)**

### **“The Holistic Approach to Health and Healing: Drugless Therapy”**



**SPEAKER:** Gopal Puri  
Health Consultant and Applied Biologist  
Liverpool, England

**Gopal Puri**

### **“Mental Health and Dilemmas of Psychotherapy: An Eastern Perspective”**



**SPEAKER:** Padmasiri de Silva  
Professor and Chairman  
Department of Philosophy  
University of Peradeniya, Sri Lanka

**DISCUSSANT:** Joel Fort, Founder  
Society for the Prevention of Violence or Cruelty to People  
San Francisco, California, USA

**Padmasiri de Silva**

*(Continued on next page)*

**GROUP A:**  
*(Continued)*

**APPROACHES TO HEALTH AND HEALING—EAST AND WEST**

**“Approaches to Health Delivery in Developing Countries: The Nigerian Experience”**

**SPEAKER:** B. Kwaku Adadevoh  
Professor of Medical Sciences  
University of Maiduguri, Nigeria

**DISCUSSANT:** Dhanjoo N. Ghista  
Professor of Medicine and Mechanical Engineering  
Director of Biomedical Engineering  
McMaster University  
Hamilton, Ontario, Canada

**“A New Treatment for Malignant Tumors”**



**SPEAKER:** Fred M. Johnson  
Professor of Physics  
California State University, Fullerton, USA

**DISCUSSANT:** Ludwig E. Feinendegen  
Group Chairman

**Fred M. Johnson**



**GROUP C:**

**THE RESURGENCE OF EAST ASIA: PROMISES AND PITFALLS OF MODERNIZATION**

**11 NOVEMBER, WEDNESDAY — 2:30 p.m.**



**CHAIRMAN: ILPYONG J. KIM**

Professor of Political Science  
University of Connecticut, Storrs, USA

**Topics and Speakers (C)**

**“The Japanese Model of Modernization: Present and Future”**

**SPEAKER:** Edward C. Stewart  
Professor of Communication  
International Christian University  
Tokyo, Japan

**“Modernization and Socio-Cultural Values: An Aspect of Modernization in Korea”**



**Kin'ichiro Toba**

**SPEAKER:** Kin'ichiro Toba  
Professor of Economic and Business History  
School of Commerce  
Waseda University  
Tokyo, Japan

**“Promise and Problems of Modernization - The Case of the USA”**



**Sung Joe Han**

**SPEAKER:** Sung Joe Han  
Professor  
Academy of Korean Studies  
Kyeonggi-do, Korea

**GENERAL DISCUSSANT:** James C. Hsiung, Professor of Politics  
New York University, New York City, USA

**GENERAL DISCUSSANT:** Michael Y.M. Kau, Professor of Political Science  
Brown University, Providence, Rhode Island, USA

**GROUP D: THE RESURGENCE OF EAST ASIA: CULTURAL AND SPIRITUAL DIMENSIONS**  
**12 NOVEMBER, THURSDAY — 9:00 a.m.**



**CHAIRMAN: ROGER W. WESCOTT**  
Professor of Linguistics and Anthropology  
Drew University  
Madison, New Jersey, USA

**Topics and Speakers (D)**

**“The Spirit of Japan: A Thematic Review of Japanese History”**



**H. Neill McFarland**

**SPEAKER:** H. Neill McFarland  
Professor of the History of Religions  
The Perkins School of Theology  
Southern Methodist University  
Dallas, Texas, USA

**DISCUSSANT:** Betty Rogers Rubenstein  
Art Historian and Art Journalist  
*Tallahassee Democrat*  
Tallahassee, Florida, USA

**“National Aesthetics: Help or Hindrance to the Resurgence of East Asia?”**

**SPEAKER:** Michael Sullivan  
Visiting Professor  
Department of Art History  
St. Catherine's College  
Oxford, England

**DISCUSSANT:** Marilyn Stokstad  
University Distinguished Professor of Art History  
Kress Foundation Department of Art History  
The University of Kansas, Lawrence, USA

**“The Meaning of Citizenship”**



**Sung-mo Huang**

**SPEAKER:** Sung-mo Huang  
Professor of Sociology  
Chungnam National University, Daejun;  
Professor, Graduate School  
Academy of Korean Studies

**DISCUSSANT:** Gordon W. Hewes  
Professor of Anthropology  
University of Colorado, Boulder, USA



**CHAIRMAN: ISMA'IL R. AL FARUQI**  
Professor of Islamics  
Temple University  
Philadelphia, Pennsylvania, USA

**Topics and Speakers (E)**

**“Catholic Christianity as a Supranational Movement”**



**Joseph Gremillion**

**SPEAKER:** Joseph Gremillion  
Past Secretary, Vatican Commission  
for Justice and Peace, Rome, Italy;  
Author and Lecturer on International Issues  
of Faith and Society  
Shreveport, Louisiana, USA

**“Marxism: A Transnational Actor for a New World Order?”**



**M. Raquibuz Zaman**

**SPEAKER:** M. Raquibuz Zaman  
Visiting Professor  
Department of Socio-Technical Studies  
College of Engineering  
Jeddah, Saudi Arabia; Associate Professor of  
Finance and Economics  
Cornell University  
Ithaca, New York, USA

**“Islam: Movement for World Order”**

**SPEAKER:** Abdulhamid Abu Sulayman  
Professor of International Relations  
University of Riyadh, Saudi Arabia

**GENERAL DISCUSSANT:** Peter Gran, Associate Professor of History  
Temple University, Philadelphia, Pennsylvania, USA

# COMMITTEE V

## TRANSFORMATIONS IN CONSCIOUSNESS

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**CHAIRMAN**  
**KARL H. PRIBRAM**

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**GROUP B: THE ORIGINS OF HUMAN THOUGHT**  
**11 NOVEMBER, WEDNESDAY — 9:00 a.m.**



**CHAIRMAN: DIANE MCGUINNESS**  
Lecturer in Psychology  
Stanford University  
California, USA

### Topics and Speakers (B)

#### **“Phenotypic ‘Windows’ Other than Size in the Evolution of the Human Brain”**



**Ralph Holloway**

**SPEAKER:** Ralph Holloway  
Professor of Anthropology  
Columbia University  
New York City, USA

#### **“Comments on Psychology and Genetics from an Anti-Reductionist”**



**Sandra Scarr**

**SPEAKER:** Sandra Scarr  
Professor of Psychology  
Yale University  
New Haven, Connecticut, USA

**GENERAL DISCUSSANT:** Robert Trivers, Professor of Biology  
University of California at Santa Cruz, USA

**GROUP C: THE TRANSFORMATIONS OF PHILOSOPHICAL THOUGHT:  
RECENT CONTRIBUTIONS**  
11 NOVEMBER, WEDNESDAY — 2:30 p.m.



**CHAIRMAN: WILLIAM WARREN BARTLEY, III**  
Outstanding Professor  
Department of Philosophy  
California State University at Hayward, USA

**Topics and Speakers (C)**

**“Wittgenstein and Popper”**

**SPEAKER:** Henry Le Roy Finch  
Professor of Philosophy  
Hunter College  
City University of New York, USA



**Henry Le Roy Finch**

**“Disappointment and Changes in the Conception of Rationality: Wittgenstein and Popper”**

**SPEAKER:** Gerard Radnitzky  
Professor of Philosophy of Science  
University of Trier, West Germany



**Gerard Radnitzky**

**“Transformation in Philosophy Through the Teaching Methods of Wittgenstein and Popper”**

**SPEAKER:** Peter Munz  
Professor of History  
Victoria University of Wellington  
New Zealand



**Peter Munz**

**GENERAL DISCUSSANT:** Antony Flew, Professor of Philosophy  
University of Reading, England

**GENERAL DISCUSSANT:** Yersa Kim, Professor of Philosophy  
College of Humanities,  
Seoul National University, Korea

**GENERAL DISCUSSANT:** William Warren Bartley, III  
Group Chairman

**GROUP D:**

**TRANSFORMATION OF SCIENTIFIC THOUGHT: RECENT CONTRIBUTIONS**

**12 NOVEMBER, THURSDAY — 9:00 a.m.**



**CHAIRMAN: ERVIN Y. GALANTAY**

Director, Graduate Program in Development Planning  
Swiss Federal Institute of Technology  
Lausanne, Switzerland

**Topics and Speakers (D)**

**“Self-Organization in Spontaneous Human Settlements”**



**Christian Ebenegger**

CO-AUTHOR: Christian Ebenegger  
Lecturer in Systems Analysis  
University of Geneva, Switzerland

CO-AUTHOR: Ervin Y. Galantay  
Group Chairman

**“Dynamics of Interacting Populations in Society”**



**Wolfgang Weidlich**

SPEAKER: Wolfgang Weidlich  
Professor of Theoretical Physics  
University of Stuttgart, West Germany

**“Quantum Mechanics and Irreversibility”**



**Georg Sussmann**

SPEAKER: Georg Sussmann  
Professor of Theoretical Physics  
University of Munich, West Germany

GENERAL DISCUSSANT: Charles Enz, Professor of Theoretical Physics  
University of Geneva, Switzerland

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**GROUP E: THE FUTURE OF CONSCIOUSNESS**  
**13 NOVEMBER, FRIDAY — 9:00 a.m.**



**CHAIRMAN: ELIZABETH A. RAUSCHER**

Professor of Physics  
John F. Kennedy University  
Orinda, California;  
Member, Abundance Project  
University of California, USA

**Topics and Speakers (E)**

**“Non-Locality and Localization: A Review of the Holographic Hypothesis of Brain Function in Perception and Memory”**

**SPEAKER:** Karl Pribram  
Committee Chairman

**“Conceptual Changes in Reality Models from New Discoveries in Physics”**

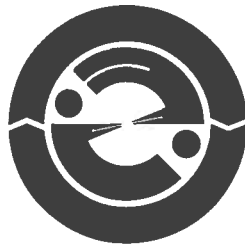


**Basil J. Hiley**

**SPEAKER:** Basil J. Hiley  
Reader in Physics  
Birkbeck College  
University of London, England

**GENERAL DISCUSSANT:** David Finkelstein, Professor of Physics  
Georgia Institute of Technology, Atlanta, USA

**GENERAL DISCUSSANT:** Elizabeth A. Rauscher  
Group Chairman



ICF

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  2. ICF PUBLICATIONS—Miss Lynn Peter will be available to answer questions about copyright, paper revisions, etc. (Charlotte Suite).
  3. MEETINGS/SPEAKER'S MANAGEMENT (Astor Suite).
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