



# SOCIAL AND HUMAN FORECASTING NEWSLETTER

by irades institute for futures research and education Roma, Italy

AUTUMN 1974

*With the summer hiatus behind us, IRADES has resumed its normal work schedule. With almost all the information collected on persons and organizations committed to futures studies, the upcoming issue of SOCIAL AND HUMAN FORECASTING DOCUMENTATION 1974 1975 is ready to go to press, therefore, we urge those who have not yet returned to us their copies of the questionnaire to do so with all possible haste. In any event, any information arriving too late to appear in the volume will be published in forthcoming issues of the Newsletter, so that our readers can keep their Social and Human Forecasting Documentation up-to-date.*

*We are happy finally to present our Scuola per gli studi sul futuro (School for Futures Studies) in these pages and announce the beginning (on 28 October) of the Introductory Orientation segment of the basic course. This is the*

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## SCHEME

- 1 **Organizations**  
aims intentions activities of groups
- 2 **Individuals**  
intentions changes of address
- 3 **Events**  
meetings courses lectures exhibitions etc
- 4 **Activities**  
on going research and studies
- 5 **Publications**  
recent or in press
- 6 **Flashes**  
Future bearing news
- 7 **Future Forum**

*first such school to function in Italy We shall, of course, keep our readers informed of its progress*

*Beginning with the previous issue of the Newsletter, we have introduced a new department entitled Flashes We should be pleased to receive suggestions and material to publish in Flashes so that we can make the best possible use of this new service to our readers*

*We would like to underline that the Newsletter is not simply a means of information but a way of intercommunication a service between the people who send the information and the people who receive it*

*This publication is a letter through which all may communicate to all*

*1) any information which is considered to be of particular interest and relevance to the efforts now being made to anticipate needs means appropriate goals and interesting and relevant with regard to our emerging world community*

*2) any idea which may be usefully exchanged with others or concerning which information is required*

*The editing group will always be glad to meet any of the readers who happen to pass through Rome*

Director Pietro Pace

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*Information in this issue may be reproduced elsewhere provide the source is named and the editors are notified*

### **CENTER FOR ANALYSIS AND FORECASTING FORECASTING FOR FRENCH DIPLOMACY**

has been created at the Quai d'Orsay by M Jobert

The Center is composed of young diplomats and experts from other specialised administrations

Their aim is to concentrate their attention on a special subject, current or not, and to formulate personal suggestions, methods and solutions

The Center will organize a cycle of conferences on problems of present-day interest

Information from 2000, Future Prospective Newsletter, 7

### **CENTER FOR THE STUDY OF DEMOCRATIC INSTITUTIONS**

Senior fellows Robert M Hutchins, Chairman, Norton Ginsburg, Dean of the Academic Program, Harry S Acshmore, Elizabeth Mann Borgese, John Cogley, Lord Ritchie-Calder, Rexford G Tugwell, Harvey Wheeler, John Wilkinson, Jarry M Cadenhead, Secretary  
Address Box 4068, Santa Barbara, California 93103, USA

### **ECOLE SUPERIEURE DES PROFESSIONS IMMOBILIERES (ESPI)**

*(Private Institute for technical and higher education)*

Founded by instructors and experts in the real estate industry who are aware of new requirements in this domain, ESPI aims to train responsible, qualified and efficient real estate managers

Program town-planning regulations, building funds, accountancy, finance, insurance, markets, financial management, joint ownership of buildings, legal and financial bases for real estate operations, technology, marketing, psycho commercial concepts, civil, commercial and criminal law applied to business, labor legislation, general culture and public relations  
ESPI conducts two-year courses for post-graduate students to give them the most complete education possible in the area of real estate procedures and equip them to confront their future profession with the most through foundation in theoretics, techniques and practice Upon completion

of the course, the graduates will be fully prepared to function as real estate managers

Based chiefly on participation, the educational methods can be re-utilized by the graduates in the future

Toward this end, ESPI has established a documentation fund, supported mainly by professional real estate organizations. A special committee helps the teaching staff to prepare the school's programs and methods, with the members drawing on their professional experience in lending their assistance

For information on future research in Denmark, please write to Jørgen Kundsén, Danish Social Science Research Council, 7 Homens Kanal, 1060 Copenhagen K  
Information from Henning Friis, The Danish National Institute of Social Research

#### **INSTITUT DE MAIEUTIQUE ET DE CHREIOLOGIE APPLIQUEES**

**(IMCA)** *(Institute of Applied Maieutics and Chreiology)*

President J. Aubrion

General Secretary A. Chevalier-Beaume

Aims: Pragmatic study of individual and social human needs. Applications of maieutics to small groups

Address: 1, Rue Pasteur, Caen 14000, France

#### **INTERNATIONAL ASSOCIATION EUROPE 2000**

The International Association Europe 2000 ended all its activities more than a year ago

#### **INTERNATIONAL CENTER OF METHODOLOGY FOR FUTURE AND DEVELOPMENT STUDIES**

has been established in Bucharest, Romania

Aims: to disseminate forecasting methodology and systems approach to development problems, to facilitate international cooperation in methodological research, to improve systems design methodology and to stimulate collective creativity and democratic participation in social design and social engineering

Research program: application of survey techniques to social indicators and international cooperation programs. Energy and supportive technologies, methodological structures in analysis and planning. Space and temporal distribution of population. Methodological aspects-quality of life indicators project

R. Director of this new Center – under the aegis of WFSF – is Mihai C. Botez

Information from: Systems Studies Prospective Research Newsletter, 1, 1974

*(Further information: International Center of Methodology for Future and Development Studies, Mihail Mosea 3-5, Bucharest 8, Romania)*

**H WENTWORTH ELDREDGE**

*(Add to page 389 of Social Forecasting Documentation 1972)*

has finished the Mark III version of the Survey of Futures Education  
This research has been funded by the World Institute Council, Inc, of  
New York City, as part of their Information for Policy Design, directed  
by Michael Marien

*(Further information H Wentworth Eldredge, Dartmouth College Hanover, New  
Hampshire, 03755, Department of Sociology, tel (603) 646-2554)*

**ALLAN V KNEESE**

is no longer at Resources for the Future Inc He now is with the Department  
of Economics, University of New Mexico, Albuquerque, New Mexico  
87131

**DENNIS LIVINGSTON**

*(change of address, page 403 of Social Forecasting Documentation 1972)*

Prof Livingston has moved to the History/Political Science Department,  
Rensselaer Polytechnic Institute, Troy, N Y 12181, and will be teaching  
courses in science, technology and public policy while continuing to give  
consultations on futures education

**A BIOLOGICAL MODEL OF THE FUTURE**

A course organized by the International University Centre of post-graduate studies

Place Dubrovnik, Yugoslavia

Date 1975

Held by Samir K Ghosh

This course will be concerned with the importance of biological knowledge and thinking in man's future, why we need a study of human evolution in understanding man's future, male – male bond – relation and male – female sexual dimorphism, architecture and new township analyses, the future of man and man of the future, who is going to live and survive in the future? psychological-biological transformation of man, technological man vis-a-vis ethical man, cooperation vis-à-vis collaboration

All interested scholars are requested to contact

Prof Samir K Ghosh, Max - Planck Institut for Behavioral Research, D-8136 Percha/Starnberg, Enzianstrasse 12, West Germany

Books, pamphlets, reports and suggestions will be appreciated

**ALTERNATIVE ECONOMIC FUTURES FOR HAWAII**

This conference is the outcome of a public discussion held at the Mid-Pacific Institute in 1973, subsequently, its structure was decided and the best possible direction and methodology planned

By January of 1974, the task-force chairmen had been appointed and the preliminary work begun

The event represents an effort by the private sector to analyze the economic options open to the people of Hawaii and to understand how they relate to all other aspects of island life. The action is projected up to 1985, while the implications continue indefinitely

- What factors will affect the State's economy during the coming decade and beyond?
- What will the options be?
- What could be an ideal economic combination? Conversely, what if a

*meetings, courses, lectures, exhibitions, etc*

series of stress factors were applied?

All citizens interested in this matter are urged to take part. Task forces are scheduled to meet in the greater Honolulu area weekly, semi-monthly and monthly.

*(Further information Margo Wood, Conference Coordinator, 1077 Mokuhanu St., Honolulu, Hawaii 96825)*

### ALTERNATIVES FOR WASHINGTON

A conference held jointly by the Environmental Symposium Series (primary organization) and Washington State Office of Program Planning and Fiscal Management)

Place Spokane, Washington, USA

Date October 27 - November 3, 1974

Papers and speakers Sunday October 27 opening, Monday October 28, speakers will discuss the nature of the shift in knowledge structures, which are now taking place Changing patterns of science (Stever), Changing patterns of communication (Gregory Bateson), Changing patterns of business (Ibuka), Changing patterns of authority (Tom Patterson), Changing patterns of education (George Leonard) The knowledge acquired during the six topical conferences will be communicated to the audience via videotape, speakers, discussions, etc

There will be two major themes 1) the questions defined as requiring intensive investigation in the six areas covered by the meetings energy, population, agriculture, health, human settlements and natural resources, and 2) the ways in which it has been proven possible to help people with divergent views learn from each other rather than confront each other from mutually incompatible viewpoints Tuesday, October 29 a workshop, in which those attending the conference will have the opportunity to sit down with the speakers at the Monday meetings and explore more fully those aspects of the presentations which appear most important to them

Wednesday, October 30 presentation of both the theory involved in helping people to change their thinking and the models used to bring

*meetings, courses, lectures, exhibition, etc*

this about on a broad scale (representatives from Alternatives for Washington State, representatives from Iowa, 2000, representatives from North Dakota's Bicentennial Commission, representatives from the Westinghouse Broadcasting Company and its Community Values Programming, representatives from Total Action Against Poverty in Roanoke, Virginia, specifically Bill Hoffman, Gerald Cornick of Washington University, workshops with those taking part in the morning presentations and others invited to lead workshops

Thursday, October 31, and Friday, November 1 alternatives to the Washington program will be discussed, allowing the participants opportunities to feed back their reactions. A wide range of techniques, including dramatization, will serve to describe the models. During these sessions, there will also be presentations of the taped and written material developed in the Environmental Symposium Series and Whitworth College's Classes of '76 project, aiming to disseminate the knowledge and skills necessary to identify the real questions confronting education during America's third century Saturday, November 2 An Action Fair will be held. Washington Governor Evans will ask the four neighbor States and the two contiguous Canadian provinces to demonstrate five or six models of imaginative innovations originating in their regions, to be collected in an idea bank, on which participants could draw to apply to their own communities. The city of Spokane and its surrounding area will be asked to make a selection of the models. Sunday, November 3 closing ceremony of the Fair and introductory ceremony for the "new emphasis", calling for commitments from the State of Washington as well as from her four neighbor States and two neighbor Canadian provinces

*(Further information Futures Conditional, P O Box 1531, Wickensburg, Arizona 85358, tel (602) 684 7861)*

*meetings, courses, lectures, exhibitions, etc*

**BIENNALE OF FUTUROLOGY – WHAT SPECIAL KNOWLEDGE AND INFORMATION IS NEEDED TODAY TO ENABLE US TO CONTROL THE APPLICATIONS OF TECHNOLOGY AND SCIENCE?**

A conference organized by the International Creative Center,  
Place San Remo, Italy  
Date June 28 - July 2, 1974

*(Further information Rencontres Créatives Internationales - International Creative Center, 20, Ch Colladon, 1211 Geneve*

**CLIMATHEMATICS DECISION THEORY, CONFLICT, NEGOTIATION, COALITION**

A course of lectures on mathematical models in history was held by Mircea Malitza, assisted by Illano Sculy, during the 2nd term of the 1973-74 academic year at the Department of History, University of Bucharest  
Information from Systems Studies Prospective Research Newsletter, 1, 1974

**11ème COLLOQUE INTERNATIONAL SUR L'EXPLOITATION DES OCEANS (11th International Colloquium on Ocean Exploitation)**

Place Bordeaux, France  
Date October 1-4, 1974

Information from CNEOX, bulletin 54, 39 Avenue d'Iena, 75016 Paris, France

**CONFERENCE**

Place Bradford, England  
Date May 24-26, 1974

Organizers Futures Studies Centre Working Party  
Aims To bring together all those concerned with compiling the "package" submission for funding, currently under study by the Wolfson Foundation, to involve others who can make constructive criticism of,

*meetings, courses, lectures, exhibitions, etc*

or addition to, our original proposals, and who may wish to take part in preparing the presentation for the Wolfson Seminar on July 10, and in any subsequent research work they may be called upon to do

*(Further information Roland Chaplain, 13 Alumdale Road, Bournemouth BH4 8HX, England)*

**CONFERENCE**

A meeting will take place at the College of Mount St Joseph, Cincinnati, in August 1975, to discuss the future, values and the American Bicentennial. It will attract primarily educators, hence focus on the "Classes of '76" aspect, but it will also be concerned with communities  
Information from Futures Conditional, June 28, 1974

**FESTIVAL DU FUTUR (Futures Festival)**

A festival organized by the Association Internationale Futuribles  
Place Strasbourg, France  
Date September 9-21, 1974

This festival includes an exhibition and six specialized conferences, plus a daily forum on alternative futures. It should be followed by the same type of manifestation in several French regions.

*(Further information Association Internationale Futuribles, Maison des Sciences de l'Homme, 5th Boulevard Raspail, 75270 Paris, Cedex 06, France, tel 222-2349 ext 363)*

**HARVARD GRADUATE DEPARTMENT OF CITY AND REGIONAL PLANNING SEMINAR**

Theme Alternative possible urban futures  
Place Harvard University  
Date September 1974  
Held by H Wentworth Eldredge

*(Further information H Wentworth Eldredge, Dartmouth College, Hanover, New*

## EVENTS

*meetings, courses, lectures, exhibitions, etc*

*Hampshire 03755, Department of Sociology, tel (603) 646-2554*

### MAN IN TRANSITION

A seminar-workshop sponsored through the auspices of World Man Fund and Omni Mundi

Place Montrasio, Italy

Date September 10-15, 1974

Purpose 1 to explore ideas which could contribute toward the development of a unifying image of man in the context of an evolving planetary society In proper perspective, any such holistic image of man would derive not only from what we think we know about ourselves, but also from what we think we can know, can become (man in transition)

2 to consider the social consequences and policy implications of a unifying image of "man in transition" Such considerations must include formulations of strategies which seek to optimize the quality of life for psychosocial man, as well as the survival of biological man

*(Further information World Man Fund, P O Box 30341, Bethesda, Maryland 20014, USA)*

### METHODOLOGY OF THE PROGNOSTICS AND PROGRAMMING OF MODERN INTERNATIONAL RELATIONS

A conference sponsored jointly by the International Institute for Peace and the Institute for Politics and Economics, Hans Rissen

Place Hamburg, Germany

Date December 12-14, 1974

*(Further information International Institute for Peace, 1040 Vienna, Mollwaldplatz 5, A, Austria)*

## EVENTS

*meetings, courses, lectures, exhibitions, etc*

### SYMPOSIUM ON CULTURAL PATTERNS OF EXTRATERRESTRIAL COMMUNITIES

A conference organized by the American Anthropological Association, Place Mexico City, Mexico

Date November 20-24, 1974

Papers and speakers Chairman Magoroth Maruyama, co-chairman Arthur Harkins

Session I Theoretical issues in extraterrestrial anthropology toward an extraterrestrial anthropology (Roger W Wescott), Anthropocentrism and first contact with non-human cultures (Donald K Stern), Extraterrestrial communities Anthropology's role (Barbara D Moskowitz), Extraterrestrial communities cultural, legal, political and ethical considerations (Philip Singer)

Session II Hypothetical models for cultural patterns of extraterrestrial communities Terra-Lune A frontier city state (William Gerken Jr), The Planet Xeno (Shirley Varughese), The contact group and a non-human extraterrestrial culture (Mary Oberthur), Synthesized earth cultures of Lunar communities and the effect of non-human cultural contact (Kim Mayyasi)

This conference is to be held as part of the American Anthropological Association's 1974 meeting

### UNITED NATIONS CONFERENCE ON THE LAW OF THE SEA

A conference organized by the United Nations with the participation of 149 nations and 120 developing countries

Place Caracas, Venezuela

The major issues include how far offshore each coastal nation can extend its absolute sovereignty, how far beyond that coastal nations can have exclusive economic jurisdiction, i.e. prior rights on living and mineral resources, who owns the resources even farther out in the high seas, and whether an international agency should be created to settle ocean disputes and parcel out dividends from the sea's developed resources

Information from Time, July 29, 1974



*meetings, courses, lectures, exhibitions, etc*

### URBAN GAMES AND INFORMATICS FOR TOMORROW'S TOWNS

a meeting organized by the Centre International du Futur

Place Arc-et-Senans, France

Date September 9-14, 1974

Information from Nouvelles du Centre International du Futur, 4 May, 1974

*(Further information Centre International du Futur, 25610 Arc-et-Senans, France, tel 802-543)*

### WORLD FUTURE MODELS

A post-graduate course organized by the Inter-University Centre for post-graduate studies

Place Dubrovnik, Yugoslavia

Date 1974-75

Program directors Saul Mendlovitz and Johan Galtung

Program First week January 6-10, 1975 World Order Models Project

Second week January 13-17, 1975 Club of Rome

Third week January 20-24, 1975 Energy, raw materials and multinational corporations

Fourth week January 27-31, 1975 Summing up

This course will consist of lectures and seminars 6-8 hours per day, five days per week. There will be two presentations in the program, followed by discussions led by staff members. In the afternoon seminars will be organized by the participants, who are encouraged to bring the material they want to present. Some evenings will also be dedicated to presentations and discussions in greater depth. English will be the language spoken.

*(Further information Inter-University Centre for Post-Graduate Studies, Frana Bulica y Yn, 50 000 Dubrovnik, Yugoslavia  
Applications should arrive no later than December 1, 1974)*

*meetings, courses, lectures, exhibitions, etc*

### WORLD GAME STUDIES WORKSHOP

A one-month World Game Studies Workshop was held this summer at the University of Pennsylvania, Philadelphia, from June 24 to July 19, 1974

The aim of this international multidisciplinary workshop was to provide participants with a working understanding of what R Buckminster Fuller calls 'Comprehensive Anticipatory Design Science, the effective application of the principles of science to the conscious design of our environment

The first week introduced Design Science via an intensive schedule of lectures, seminars, films, videotapes, slides, games and discussions, with special lectures by R Buckminster Fuller, Gene Youngblood and Edwin Schlossberg. Topics included global perspectives of systems analysis, technological forecasting, future studies, world resources planning and problem areas such as energy, food, shelter, etc

The next three weeks consisted of work sessions in which participants explored alternative strategies for resolving the critical problems facing the earth

The workshop was sponsored by Earth Metabolic Design, Inc of New Haven Conn, in conjunction with the World Fellow in Residence Program of the University of Pennsylvania, Bryn Mawr, Haverford, and Swarthmore Colleges, and the University City Science Center. Information from 'Earthrise Newsletter 08, vol 2, 1, January/February 1974

*(Further information Workshop-Earth M D Box 2016 Yale Station, New Haven, Conn 06520, USA, tel 203-776-4921)*

DATE	THEME	PLACE	ORGANIZERS
<b>1974</b>			
<b>June</b>			
24-25	<i>Approaches to Policy-Making in Local Government</i>	London (U K)	Middlesex Polytechnic
24 July 2	<i>L'importance de la science et de la technologie pour le developpement de l'homme incertitude de l'avenir et esperance chretienne</i>	Bucharest (Romania)	Conseil Oecumenique des Eglises
28 - July 2	<i>Biennale of Futurology What Special Knowledge and Information is Needed Today to Enable us to control the Applications of Technology and Science?</i>	San Remo (Italy)	Rencontres Creatives Internationales
<b>July</b>			
9-12 22-26	<i>Summer Computer Simulation Conference Urban Development Models</i>	Houston, Texas (USA) Cambridge (U K)	University of Cambridge
<b>August</b>			
18-30	<i>L'avenir de l'homme dans le Pacifique</i>	Vancouver (Canada)	University of British Columbia
	<i>United Nations Population Conference</i> on Science and Revolution in Contemporary Societies	Bucharest (Romania) Toronto (Canada)	United Nations International Sociological Association
<b>September</b>			
9-14	<i>Urban Games and Informatics for Tomorrow's Towns</i>	Arc-et-Senans (France)	Centre International de Futur
10 15	<i>Man in Transition</i>	Montrasio, Italy	World Man Fund and Omni Mundi
13 15	<i>The Changing Role of Women in Society-1974 Annual Conference</i>	Oxford (U K)	Rationalist Press Association
<b>October</b>			
1 4	<i>Ileme Colloque International sur l'exploitation des oceans</i>	Bordeaux (France)	
19	<i>Educators' Conference</i>	Washington, D C (USA)	The World Future Society
27 - Nov 3	<i>Alternatives for Washington</i>	Spokane, Washington (USA)	Environmental Symposium Series and Washington State Office of Program Planning and Fiscal Management

DATE	THEME	PLACE	ORGANIZERS
November 20 24	<i>Symposium on Cultural Patterns of Extraterrestrial Communities</i>	Mexico City (Mexico)	American Anthropological Association
December 12 14	<i>Methodology of the Prognostics and Programming of Modern International Relations</i>	Hamburg (Germany)	International Institute for Politics and Economics and the Institute for Politics and Economics
1975 June	<i>The Second General Assembly of the World Future Society</i>	Washington D C (USA)	The World Future Society

**SCUOLA PER GLI STUDI SUL FUTURO** (*School for Futures Studies*)

Italy's first school for futures studies, the Scuola per gli studi sul futuro, will begin operations October 28, 1974, in Rome, under the aegis of IRADES

The purpose of the school is to alert the student to the constant change which marks the world of today, to educate him in the choice of successive options as possibilities for confronting the future and the different future dimensions of his chosen profession, and to equip him with a knowledge of those methods which will help him cope effectively with uncertainty

The school's curriculum will offer the following instruction

- 1) a basic course,
- 2) specialized courses in methods and disciplines,
- 3) permanent conference for special and operational problems,
- 4) communications and updating procedures

*Basic course*

The basic course will be divided into three segments

- I - Introductory Orientation  
from 28 October to 13 December 1974,
- II - Exploring the Future  
from 7 April to 30 May, 1975,
- III - Application of Future Studies  
October - December 1975

This three-part basic course is designed for persons preparing to embark on any of the humanistic professions or a career in the exact sciences (statistics, mathematics, engineering, natural sciences, etc)

The dynamic of the instruction will be formulated by teaching methods drawing upon the students' participation and creativity, with the aid of animators

Classes will revolve on three main points studies of the future, the application of various methods and the perspectives of this new approach in relation to concrete problems Theoretical instruction will be imparted through group exercises and discussion

At the conclusion of the three-part course, the students will receive a

certificate of attendance

### *I Introductory Orientation*

The first part of the course will give the student a general view of futures studies through a theoretical awareness, and simultaneously broaden his outlook and mentality by alerting him to the constant change characterizing the world of today and tomorrow, and his need to prepare himself for successive options. Introductory Orientation is itself divided into three parts:

- 1) an explication of the historical factors which have made futures studies an imperative discipline, and a descriptive panorama of the principal methods of forecasting, including their application,
- 2) a study of the man-society-nature conceptual model, which analyzes the interrelations among these three predominant systems in relation to technology by isolating selected problems,
- 3) a critical analysis of the work done thus far in the course, chiefly through group discussions and comparisons of ideas

### *II Exploring the Future*

This course is planned to examine in depth the historical factors and methods studied during the Introductory Orientation. The student will be given opportunities to execute minor research assignments, whereby he will acquire a growing comprehension of the importance of futures studies by confronting the problems of the future and the options they involve.

### *III Application of Futures Studies*

This course will explain how the principal methods of forecasting are applied and offer simulations conducted by the animators, with the participation of interdisciplinary groups.

*(Further information, write or telephone to IRADES, via Paisiello 6, 00197 Rome, Italy, Telephone 866 346, extension 005 - Education Section)*

## **THE CULTURAL PARADIGMS PROJECT**

This project has been set up by the Advanced Concept, Canadian Department of the Environment, "to obtain, organize and criticize the work of those assert who that a fundamental cultural transformation is occurring and/or needs to occur in Western industrialized nations. It is hoped that this project will contribute to the development of well-formed and socially responsive concepts of environmental management." The objective is "to develop a reasonably coherent view of the literature in question and, therefore, to determine the extent to which it should be attended to by Canadians and their institutions, including governments." The main outcome of the project will include:

- a) a volume which reviews and comments on the literature in question,
  - b) a volume which discusses the main concepts and the meta-issues of the literature, and
  - c) a more publicly known list of persons and organizations who are interested in and able to engage in the conceptual work bearing on fundamental issues of cultural transformation and survival.
- Two preliminary documents will be issued in advance. The first will set out the main theses, evidence and issues of some of the literature in question. The following authors will contribute to this paper: Daniel Bell, Kenneth Boulding, Norman O Brown, Rene Dubos, Paul Ehrlich, Jacques Eliui, Paul Goodman, Willis Herman, Robert Heilbroner, Robert Hunter, Ivan Illich, George Leonard, John Livingston, Herbert Marcuse, Magoroh Maruyama, Marshall McLuhan, Margaret Mead, Lewis Mumford, Charles Reich, Theodore Roszak, Donald Schon, E F Schumacher, D F Skinner, Philip Slater, Gail Stewart, Frederik Thayer, Robert Theobald, William I Thompson, Arnold Toynbee, Roberto Vacca, Geoffrey Vickers and Barbara Ward.

The second document will provide an initial statement of the analytical model to be used during the study.

### *Ways you can relate to the project*

- 1) send us copies of important statements, particularly if you are Canadian,
- 2) send us works bearing upon the project,

*on-going research and studies*

- 3) send us the names and addresses of those whom you feel we should inform on this project,
- e) read and respond to the documents produced during study (the first document will be available in September),
- 5) spend time with us

*(Further information Ruben FW Nelson, Louise Beaulieu (project staff) The Cultural Paradigms Project, Advanced Concepts Centre, The Department of the Environment, Ottawa KIA OH3, Canada, tel (613) 997-3399)*

*recent or in press*

**AUSWEGE DERZUKUNFT WAS KOMMIT NACH DER KONSUMGESELLSCHAFT? (*Way Out in the Future What Will Come After the Waste Society?*)**

Authors Gerhart Bruckmann and Helmut Swoboda

Published by Molden, 1974, p 304

Future promise is as far distant from illusions as it is from the dark pessimism that sees the world coming to an end, according to the authors, who review the causes of the current global crisis and set forth mankind's real chances for overcoming the grave danger of prosperity

**AUSTRALIA 2000!**

Author Don Fabun

Published by Macmillan International, 1974

"An attempt to extrapolate what the continent and its people may be like in the year 2000 "

Information from Earthrise Newsletter 08, vol 2, 1, January/February, 1974

*(Further information Don Fabun, Director of Publications, Kaiser Aluminum & Chemical Corp., 200 Lakeside Drive, Oakland, California, 94604)*

**DER BERECHENBARE MENSCH (*The Valuable Man*)**

Author Helmut Swoboda

Published by Europa, Vienna, 1974

*(Further information Dr Helmut Swoboda, A-1140 Vienna, Rosentalgasse 10)*

**DONNEES SOCIALES (*Social Data*)**

published yearly by INSEE (Institut National de la Statistique et des Etudes Economiques)

Statistical data on the quality of life and statistical information essential to the analysis of the French social condition regarding population, employment, working conditions, salaries and purchasing power, life-styles,

*recent or in press*

cultural models, consumption, holidays and leisure, imbalances and balances, the evolution of social services, problems of training and criminality

Information from 2000, 4, 1973, p 58

#### **ESSAI SUR LE BESOINS HUMAINS** (*Essay on Human Needs*)

Author J Aubrion

To be published by Pensee universelle in 1975

*(Further information Dr J Aubrion, 1, rue Pasteur, Caen 1400, France)*

#### **ESSAI SUR LE COMPORTEMENT HUMAIN** (*Essay on Human Behavior*)

Author J Aubrion

Published by Expansion Scientifique Francaise, 1971

*(Further information Dr J Aubrion, 1 Rue Pasteur, Caen 14000, France)*

#### **FORECASTING AND PEACE PEDAGOGIC**

Authors M C Botez and P Dimitriu

A paper prepared for the IAERP International Congress "Education for International Understanding", Bucharest, July 29 August 2, 1974

Information from Systems Studies Prospective Research Newsletter 1, 1974

#### **L'HOMME FACE A AUJOURD'HUI** (*Man Facing Today*)

Author J Aubian

Published by Pensee universelle, October 1974

*(Further information Dr J Aubrion, 1 Rue Pasteur, Caen 14000, France)*

*recent or in press*

#### **MATHEMATICAL APPROACHES TO INTERNATIONAL RELATIONS**

All papers, memoranda, speeches, discussions, reports, etc submitted by persons unable to attend the debates at the Brasov Seminar on Mathematical Approaches to International Relations (Poiana Brasov, Romania, May 4-6, 1974) are scheduled for publication

Information from Systems Studies Prospective Research Newsletter, 1, 1974

*(Further information and copy order Systems Studies Division, 3-5 Mihail Moxa, Bucharest 8, Romania)*

#### **ON A CLASS OF DISCRETE STOCKASTIC MODELS**

Published by CIDSP, 1974

Documents of the First National Seminar on Systems Theory and Applications, which took place last autumn in Brasov under the sponsorship of the Systems Studies Division

Information from Systems Studies Prospective Research Newsletter 1, 1974

#### **QUALE FUTURO?** (*What Future?*)

Author Aurelio Peccei

Published by Mondadori, Milan, 1974 "Scienze Tecniche"

#### **QUALITY OF LIFE DEFINITION – MEASUREMENT – INDICATORS PROJECT** (*in preparation*)

Author Paul Dimitriu

Contents Conceptual level transition from eco-centric to a socio-centric conception of development processes Methodological level open plurimodelling of the quality-of-life system

Information from Systems Studies Prospective Research Newsletter, 1, 1974

**SOCIAL INVENTIONS**

Author Stuart D Conger

Published by Prince Albert, Information Canada, p 290

Contents Social Inventions and Social Progress, Instrumental vs Organizational Social Inventions, Organizations - Free Human Services, Social Inventions for Mental Health Progress, Social Inventions for Educational Outreach Programs, Social Class and Social Inventions, The Organization of Social Invention Centres, Location of Social Inventions Centres, Conditions Favoring Major Advances in the Social Sciences, Educational Inventions, Social Service Inventions, Economic Inventions, Governmental Inventions, Psychological Inventions, Voluntary Organizations, Legal Inventions, General Social Inventions, Inventions of Saskatchewan Newstart/ The Training Research and Development Station, Future Social Inventions

*(Further information D Stuart Conger, Saskatchewan Newstart Inc, P O Box 1565 Prince Albert, Saskatchewan, Canada)*

**TEN LECTURES ON FORECASTING TECHNIQUES**

Author Mihai C Botez Published by University of Bucharest Press, 1974 p 97

A methodological approach to Systems Management, Forecasting and Design, Topics Analytical Extrapolation Techniques (Time series analysis and design) – unifactorial, statistical and probabilistic extrapolation, phenomenological extrapolation, morphological techniques, reticular techniques, surveys and development of creativity

Apart from general forecasting techniques formalization, the book sketches some economic prognosis techniques as well as a number of case studies followed by exercises of a mainly formative character

Information from Systems Studies Prospective Research Newsletter, 1, 1974

**THE DYNAMIC PROGRAMMING OF HUMAN SYSTEMS – A SOCIAL AND HISTORICAL ANALYSIS**

Papers by John Wilkinson, Richard Bellman and Roger Garaudy, publish-

ed in 1973 for the Centre for the Study of Democratic Institutions by the MSS Information Corporation

The papers included in this small volume outline what their authors hope will be a "Copernican Revolution", in other words, a radical reconstruction of mankind's future

The following papers – Mathematics and the Human Sciences, by Richard Bellman, Retrospective Futurology, by John Wilkinson, Retrospective Futurology Some Introspective Comments, by Richard Bellman, The Ethic of Mankind, by Rob Garaudy, and Archetypes, Language, Dynamic Programming and Fuzzy Sets, by John Wilkinson – were intended as a basis for the Center's symposium, The City Through History (1973), also for a conference in Cuernavaca

**THE FUTURE BOOK A WHOLE FUTURES CATALOGUE**

Earthrise is assembling a comprehensive catalog of futures oriented work under these general categories

Research any systematic study of the future consequences of present social and environmental conditions

Education preparation for education on the future with the objective of acquiring a futures awareness and the ability to act on it, the communication and implementation of futures research and education (applied futuristics), to identify clearly accessible alternative futures

The Future Book will provide a reference guide to those interested in futures studies and those already working in this area

Information from Earthrise Newsletter 08, vol 2, 1, January/February 2975

*(Further information Future Book, P O Box 120 Annex Station, Providence, R I, 02901)*

**THE REVOLUTION IN SCIENCE AND TECHNOLOGY AND CONTEMPORARY SOCIAL DEVELOPMENT**

Published by Editura Academiei, 1974

This volume was published in preparation of the VII World Congress on Sociology, Toronto, August 1974

Information from Systems Studies Prospective Research Newsletter 1, 1974

#### **TOWARD A WORLD WITHOUT FORCE? A MATHEMATICAL APPROACH**

Authors Mihai C Botez and Sergiu Celac

A paper submitted to the International Seminar on Mathematical Approaches to International Relations, Brasov, Romania, May 4-6, 1974

Information from Systems Studies Prospective Research Newsletter, 1, 1974

#### **VALUE SHIFT AND THE NEAR-TERM FUTURE OF EDUCATION**

Author Robert E Weber

Published by Department of Education, State of New Jersey, Trenton, NJ

This paper analyzes the rapid changes in present-day society which will oblige education to follow suit, although change in education "comes slowly and with great foment" Educators, therefore, must study the new society now emerging, the new individual, the new work and the new ways in which work will be executed, weigh their likely impact on education and determine the near-time directions new education must take

#### **VON DER QUANTITAT ZUR QUALITAT DES LEBENS (*From Quantity to Quality of Life*)**

Published by Europaverlag, Vienna, 1974, p 109, "Soziale Blaupunkte"

A publication edited by the Katholischen Sozialakademie Osterreichs, dedicated to the quality of life

Contents Introduction by P Herwig Buchele, Progress Ideology and Limits to Growth, by Gerhart Bruckmann, Psycho-analytical-socio-psychiat-

rical Correlations for the Progress Ideology and Limits to Growth, by Hans Strotska, Progress, Ideology and Limits to Growth from the Viewpoint of a Philosophical-theological Anthropology, by Ferdinand Virich, Progress Metamorphosis, a Model for Austria by Johan Millendorfer



**GLOBAL FUTURES GAME**

The purpose of the Global Futures Game is to demonstrate graphically the problems of food resources and pollution by simulating the state of the world in terms of population, food supplies, natural and technological resources, and their relative growth. Developed over the past two years by Earthrise, the game is now being used in its Futures Awareness and Futures Action workshops, where it has met with considerable success. Groups of players representing eight socio-economic world regions barter for resources in five-year rounds (each round lasting ten minutes), ending in the year 2000. There are no built-in motivations, each participant comes to the game with his own prejudices, and he can play his region as he likes. The players make collective policy decisions, commit errors (reflected in world destruct points) and develop optimal strategies toward making the world viable for all humanity. Thus, those who take part acquire a realistic insight into the interrelation of global problems and the urgent need for cooperative efforts to solve them.

The game can be played by from eight to 48 persons, and lasts for two hours.

Information from Earthrise Newsletter 08, vol 2, 1, January/February, 1974

(Further information Earthrise, P O Box 120, Annex Station, Providence, R I, 02901)

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**OTHER ARGUMENTS THAT WERE DISCUSSED DURING THE ROME CONFERENCE HUMAN NEEDS - NEW SOCIETIES - SUPPORTIVE TECHNOLOGIES AND INDICATED BY JOHN PLATT**

- Major catastrophes or "catalytic crises" (moving the human race to collective action) in the next decade
- Needed "catalytic analysis" and "councils of urgent studies" to initiate self-amplifying ideas and institutions to cope with these crises and make use of them for education
- Possibility of major global changes in organization, with new world management structures - e.g. in food stockpiles, ocean pollution, resources allocation, development funds for LDC's, trade and communications and arms control - by 1985
- Need for a "World Survival Movement" to achieve unity, cohesion and parallel action in solving problems on many levels and in many places, and in building new much-needed institutions

To

**IRADES**

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From

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ADDRESS