



# NEWSLETTER

SOCIAL AND HUMAN FORECASTING

by Grades - Istituto Ricerche Applicate Documentazione e Studi

6, Via Passiello, 00198 Roma

## WINTER bis 1973

*This is the first issue of Newsletter for 1973, an extremely important year for Italy in the field of future studies, in fact in September 1973 there will actually be a Conference in Rome on this subject*

*The idea of the Conference has helped to give us an even greater sense of responsibility which is reflected in the Newsletter*

*Once again we hope that we have offered our readers up to-date indications which will help people interested in future studies to concentrate even more on the future of man*

*We are extremely grateful for the help given to us by both friends and readers in the preparation of this issue and we should like to remind you that many of the items have been enlarged and clarified with respect to Social Forecasting 1972*

*The actual information follows the same layout and criteria as in Social Forecasting A-2 (i.e. publications for authors only, 1970, 1971, 1972)*

*We are hoping to be able to continue to count on our readers' help to the future*

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### SCHEME

- 1 Organizations  
Aims, Intentions, Activities of Groups
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- 4 Activities  
On Going Research and Studies
- 5 Publications  
Recent or in Press  
Future Forum

**BATTELLE – Institut, Frankfurt**

(please add to page 310 of Social Forecasting 1972)

*Some studies* Examination of the methodological possibilities of quantitative and qualitative prognosis of the labour market in the federal Republic of Germany Analysis and prognosis of the developments of the labour market in the Lander of the Rhineland Palatinate and the Star  
The Battelle - Institutes are very strong in technological forecasting  
*Publications* of the German Battelle Institute "Battelle Information"

*(Further information* Battelle Institut, D 6 Frankfurt/M, 90 Wiesbadenerstrasse, Postfach 90060, Germany)

**ASSOCIATION INTERNATIONALE – EUROPE 2000**

announced that a general assembly was held on the 28th of October  
The aim of this general meeting was to define the objectives of the Association During this 2nd general meeting a week-end of studies on the theme Problems posed by the impact of the informatique on the development of our societies, was held  
This week end held at Sarcelles from the 28th to the 29th of October was animated by Professor A Kaufmann

*(Further information* Association Internationale 'Europe 2000', 1040 Bruxelles, 44 Rue Charles Legrelle, Belgium)

**DEUTSCHE GESELLSCHAFT FUR AUSWARTIGE POLITIK E V**

*(German Society for Foreign Affairs)*

*President* Gunter Henle

*Executive Vice-President* Gebhardt von Walther

*We would like to underline that the Newsletter is not simply a mean of information but a way of intercommunication a service between the people that 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 it is considered to be of particular interest and relevance to the efforts now being made to anticipate needs means appropriate goals and to our emerging world community*

*2) An idea it is useful to exchange with others of concerning which information is required*

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

## ORGANIZATIONS

*aims, intentions activities of groups*

*Acting Director* Wolfgang Wagner

In accordance with its statute, the aim of the Society is to discuss the problems of international, especially European, politics and economics, to promote research on these problems, and to stimulate and extend understanding of international facts and problems by means of lectures, study groups, and publications

It is hoped for co-operation among scholars and international understanding will thereby be furthered. The Society is an independent and non-partisan institution which does not give opinions of its own on political questions

The study groups for international security (Chairman Helmut Schmidt, MdB) and for German relations with the Soviet Union and other countries of the East (Chairman Kurt Birrenbach, MdB) are presently carrying out research on European security and policy problems in the seventies

*Research activities and studies* Prognosis for Europe the Seventies between East and West

*Publications* Europa Archiv-fortnightly

*(Further information)* Deutsche Gesellschaft für Auswärtige Politik E.V., Konrad Adenauer Allee 133, 53 Bonn, Germany

## FOUNDATION CLAUDE-NICOLAS LEDOUX D'ARC-ET-SENANS

please add to page 53 of Social Forecasting 1972

*President* Serge Antoine

*Vice-Presidents* Jean Chenevriér and Jean Louis Quermonne

*General Secretary* Jean-François Thery

*Treasurer* Antoine Loichot

## ORGANIZATIONS

*aims, intentions, activities of groups*

## INSTITUT FÜR WIRTSCHAFTLICHE ZUKUNFTSFORSCHUNG, WICKERT – INSTITUTE

*(Institute for Economic Future Research – Wickert Institute)*

*Director* Horst Wagenfuhr

This institute has been making, since 1966, long-range forecasts in the socio-economic field as well as methodological studies on Future research. *Research activities and studies* Report 1985 Society and Economy in Future Germany (an overall survey of future developments of the economy and society of Germany)

Responsible Horst Wagenfuhr

'Economic Long-Term Forecasting – an Introduction to Theory and Practice' (The study deals with theoretical aspects of long-range economic forecasting, its limits and the possibility of applying its results in practice)

Responsible Horst Wagenfuhr

'Creativity and Economy'

Responsible Horst Wagenfuhr

*Publications* Zeitschrift für Markt – Meinungs und Zukunftsforschung Documentation

This institute has also established an international documentation centre dealing with economic long-range forecasting

*(Further information)* Institut für Wirtschaftliche Zukunftsforschung Wickert Institute Wilhelmstr. 102 D 74 Tübingen, Germany

## INTERNATIONAL INSTITUTE OF APPLIED SYSTEMS ANALYSIS

was established near Vienna to study the problems of modern civilization. Founded by twelve scientific institutions including the Royal Society, the National Academy of Science, the Soviet Academy of Sciences

Non-governmental it will carry out research in new methods of systems analysis, operational research, management techniques and cybernetics with a

## ORGANIZATIONS

*aims, intentions, activities of groups*

view to applying them to the problems that confront society

*First director* Dr Howard Raiffa of Harvard University

*First chairman of the council's institute* Dr Jerman Gvishiani of the Soviet Academy of Sciences

A permanent staff of between 50 and 100 is to be stationed in Austria. The Institute will consider projects falling within four chief categories — environmental systems, health and care systems, municipal services systems and large engineering design systems.

The Twelve founder institutions of the IIASA are the Soviet Academy of Sciences, the Committee for the International Institute of Applied Systems Analysis (Canada), the Committee for IIASA of Czechoslovakia, the French Association for the Development of Systems Analysis, the German Academy of Sciences (GDR), the Japan Committee for the IIASA, the Max Planck Society for the Advancement of Sciences (West Germany), the National Centre for Cybernetics and Computer Techniques (Bulgaria), the US National Academy of Sciences, the National Research Council of Italy, the Polish Academy of Sciences and the Royal Society of London. It is expected to start work in 1973 at the Place of Laxenburg near Vienna.

*(Further information IIASA, 12 Traungasse, Vienna, Austria)*

## THE INTERNATIONAL SOCIETY FOR TECHNOLOGY ASSESSMENT — ISTA

add to page 282 of Social Forecasting 1972

Founded in Usa

*Publication* 'Technology Assessment' (quarterly)

This society organizes some meetings biennially, the first will be held in Aja in March 1973

## ORGANIZATIONS

*aims intentions activities of groups*

### SCIENCE FICTION FOUNDATION

Founded in 1972, Dagenham, Essex

Operated within North East London Polytechnic

*Aims* to publicize science fiction and to act as an information centre, to investigate the usefulness of science fiction in education. It carries out activities of research, information and documentation.

*President* G S Brosan

*Patron* Arthur C Clarke

*Board of Management* John Brunner, Kenneth Bulmer, Christopher Priest, Charles Barren, James Blish

*Executive Vice-President* George Hay

*(Further information* Barking Precinct Longbridge Road Dagenham Essex, RM 2 AS, Great Britain)

### ZENTRAL INSTITUT FÜR SOZIALWISSENSCHAFTLICHE FORSCHUNG

Formerly Institut für Politische Wissenschaft an der Freien Universität, Berlin. *Central Institute for Social Science Forecasting, formerly Institute for Political Science at the Free University of Berlin*

Operates in Freie Universität Berlin

Founded in 1970, Berlin, University funds

*Aims* study of social sciences general education, economics, political science, history

*Activities* research, documentation, research promotion and coordination, library, data bank

*Publications* Informationen (periodical), Monographs, books (non periodical)

*President* Nils Diederich

*(Further information* Freie Universität Berlin, Babelsberger Strasse, 14-16, 1 Berlin 31 Germany)

**ROY C AMARA**

please change or add to page 376 of Social Forecasting 1972)

President of Institute for the Future, Menlo Park, California

*Author of* a Note on Cross-Impact Analysis a Calculus for Sequences, Dependent Events, in Futures, volume IV, 3 September 1972, page 266  
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**ESKIL BLOCK**

Goteborg, Sweden, 1932

Doctor of Technology, master of science and political science

*Previously* Teacher at technological University, Television journalist, planner of University television, long-term planning and research for departments of housing, education and defence

*Present activities* construction of back-ground scenarios and long term voluntaristic forecasts for small countries Special interests resources, technology, science, political and religious, values, sociology, mass media, research a Belgian project involving both futures of a political, economical and social kind, as well as values and options for a democratically created future

*Author of* Framtiden-hot Eller Lofte, Bonniers (Future, promise or threat) with Sam Nilsson, and Framtidsmiljo for Utbildning (Future environment for education) published by a government press agency, to be published a collection of essays on political and economical issues, and a novel on revolutionary futures in the mediterranean area (both in Swedish)

*(Further information* Eskil Block, Office belge pour l'accroissement de la productivite, rue de la Concorde 60, Bruxelles 1050, Belgium)

## INDIVIDUALS

*intentions change of address*

### MIHAI C BOTEZ

1940

Professor, Academy of Economic Studies, professor, University of Bucharest, Director, Laboratory for Prospective Research of the University of Bucharest

*Previously* Research fellow of the Institute of Mathematics and Center for Mathematical Statistics of the Academy of the Socialist Republic of Romania, professor of Data Processing and Systems and of Mathematical Models in Management at CEPECA (Management Development Center)

*Presently* specializing in data processing and systems and in management, in probabilities, statistics, operational research

*Author of* The Science of the Future about the Future of Science ('70), Prospective Research-Operations, Research and Construction of Possible Futures (Piatra Neamt, 1971), Introduction to Prospective Research (Course, CIDSP, 1971), Scientific and Technical Revolution and the Future of Mankind (1971), Operational Models in Forecasting Research (1971), Mathematical Methods in Future Research (1971), Permanent Education in Future Oriented Vision (1971), Forecasting Models for Education (1971), Economic Prognosis and Operations Research (1971), Prognosis, Planning, Management (1971), Forecasting Management of Scientific Activity (1971), Statistical Prediction for Discrete Random Models (Brason 1971), A Course of Prospective Research (Co-author, 1972), System Vision in Forecasting Research (Co-author 1972), Forecasting Methodology for Research into Issues of Peace, Conflicts and International Relations (Co-author, 1972), Prospects for the Development of Forecasting Methodology, Democratization and Universalization (1972), Rhetoric of Forecasting (Co-author, '72), Multi Models and Anti-Models in Forecasting Research (Co-author 1972), Marxist Prognosis (1972), Territory Layout in the Perspective of Systems Dynamics (1972)

*(Further information* Mihai Botez *Laboratory for Prospective Research of the University of Bucharest Str Mihail Moxa no 3-5 Bucharest Romania)*

## INDIVIDUALS

*intentions, change of address*

### JOEL DE ROSNAY

*Presently* Scientific Director of European Enterprises Development Company in Paris

*Previously* member of the Research Staff at the Massachusetts Institute of Technology (and scientific attache to the French Embassy in the United States)

*Author of* articles on cybernetics, evolution and time (The Teilhard Review, vol V, 1) and of the book 'The Origins of Life' which will be published in English translation early in 1973

### ANTHONY O DYSON

Member of the Board of the Faculty of Theology at Oxford University, Chairman of the Oxford Diocesan Youth Committee, member of the Higher Education Committee of the C and E Board of Education, and Co-Director of the Urban Ministry Project He has recently been elected the first Hensley Henson Lecturer in Oxford University for 1972-1973

*Previously* Editor of the Teilhard Review from 1966-1972

*Presently* Chairman of the Teilhard Centre for the Future of Man (since June 1972)

### JOHN A EVANS

Senior Management and Systems consultant at the MITRE Corporation, Belford, Massachusetts

*Author of* *Laka Erii* Towards a Macro-System Perspective for Decision-Making (in Futures, Volume IV, 3 September 1972, page 156-266)

*(Further information* John A Evans, *MITRE Corporation, Belford, Massachusetts, Usa)*

## INDIVIDUALS

*intentions change of address*

### HELMUT KRAUCH

please add to page 466 of Social Forecasting 1972

*Author of* Forschung and Planung (Research and Planning), in Futurum, vol 3, no 1/1970, Computer Demokratie (Computer-Democracy), Dusseldorf VDI Verlag 1972, pp 156

Several papers, especially on the problems of priorities for research and development and for science policy

Organiser of the ORAKEL-Feed-Back Systems in German Radio- and TV- Stations

### THOMAS ADEOYE LAMBO

please add to page 504 of Social Forecasting 1972

Assistant Director General of the World Health Organization since 1971

Born in Nigeria

Professor of Psychiatry and Neurology

*Previously* Vice Chancellor of the University of Ibadan, Vice Chairman of the United Nations Advisory Committee on the Application of Science and Technology to Development, Chairman of the United Nations Advisory Committee on the Prevention of Crime and the Treatment of Offenders, Chairman of the Scientific Council for Africa, Member of the Executive Board of the World Federation for Mental Health, President of the International College of Tropical Medicine, Member of the New York Academy of Sciences

### FRITZ LIENEMANN

please add to page 468 of Social Forecasting 1972

Born 1938, Dinslaken (F R Germany)

## INDIVIDUALS

*intentions, change of address*

In addition

*Author of* Some aspects of a future-oriented environment policy (paper at the 1st General Assembly of the World Future Society, Washington, D C 1971), Die vielwegige Gesellschaft (The Multi-Channel Society), Umschau in Wissenschaft und Technik, vol 71, no 22/1971, Some Aspects of a Future-Oriented Environment Policy, in Science, Man and his Environment, Proceedings of the 4th International Conference, Science and Society, Herce-Novı 1971, Beograd 1971, The Anonymity of the "Omniscient" Institutions versus the Anonymity of the Uninformed Masses, in Challenges from the Future Proceedings of the International Future Research Conference, Kyoto 1970, vol 1, Tokyo Kodansha Ltd, 1970

### HAROLD LINSTONE

please add to page 402 of Social Forecasting 1972

Director of the Systems Science Institute, Portland State University, Senior Editor of Technological Forecasting and Social Change

*Author among others of* Four American Futures Reflexions on the Role of Planning – in Technological Forecasting and Social Change, vol IV, no 1, 1972, page 41-60

### DENNIS LITTLE

*Previously* Research Associate with the Institute for the Future, Middletown, Connecticut,

*Presently* Commissioner, office of Income Maintenance, Department of Public Welfare, Commonwealth of Pennsylvania

*Author of* Social Indicators, Policy Analysis and Simulation, in Futures vol 4, no 3, September 1972, page 220-231

*(Further information* Dennis Little *Income Maintenance, Department of Public Welfare, Commonwealth of Pennsylvania, Usa)*

## INDIVIDUALS

*intentions, change of address*

### JOSEPH P MARTINO

Technological Forecasting Editor of the Futurist, currently stationed at the Air War College, Maxwell Air Force Base, Alabama 36112

*Author of* The Pace of Technological Change in the Futurist, vol VI, no 2, April 1972, page 70, Co-editor Approaches to Long-Range Forecasting—Washington United States, Printing Office, 1971, page 149

*(Further information Joseph P Martino, The Air War College Maxwell Air Force Alabama 36112, Usa)*

### JUTTA MATZNER

please add to page 468 of Social Forecasting 1972

*Author of* Zum Selbstverständnis kritischer, Futurologie (On the Self-Understanding of Critical Futurology), in Meynaud (ed) Spekulationen über die Zukunft, München Rogner & Bernhard, 1971

### PETER MENKE—GLUCKERT

please add to page 468 of Social Forecasting 1972

Director of the Department "Coordination of Environmental Affairs" of the Federal Ministry of the Interior, Bonn, President of the Continuing Committee of the World Future Research Conference

*Author of* several papers and articles

(In addition) Mankind in the World of Tomorrow, the Changing Environment, in Technological Forecasting and Social Change, vol 2, no 3-4, 1972, The Changing Socio Technological Environment for Political Innovations New Challenges for Government Decision Making, in Analysen und Prognosen 9/1970 (paper of the International Future Research Conference, Kyoto 1970), The Process of Goal Finding and Goal Analysis in

## INDIVIDUALS

*intentions, change of address*

Science Policy, in Challenges from the Future, Proceedings of the International Future Research Conference, Kyoto 1970, Tokyo Kodansha Ltd, 1970

### MALITA MIRCEA

1927

Professor of Philosophy, lecturer on Mathematical Models for Social Sciences, Counsellor of the President of the State Council  
*Previously* Director of the library of the Academy, counsellor of the UN Permanent Mission, New York, Director of Cultural Relations, Deputy Minister of Foreign Affairs, Minister of Education  
*Cooperates to* the Academy of Social and Political Sciences, Member, The Union of Writers, member, The Union of Journalists  
*Author of* Mathematical Models in the Educational System (co author, 1972), Futures Research and Learning Theories (1972)

*(Further information Malita Mircea, Department of the University of Bucharest str Academiei, 14, Bucharest, Romania)*

### JOHN PLATT

please add to page 510 of Social Forecasting 1972

Research Biophysicist and Associate Director the Mental Health Research Institute at the University of Michigan  
*Previously* Professor of Physics and Biophysics at the University of Chicago, US Public Health Service Career Award  
*Author of* On Social Transformation, 1972



**GEORGE PICHT**

please add to page 469 of Social Forecasting 1972

*Author of* (among others) *Mut zur Utopie Die grossen Zukunftsaufgaben* (Courage for Utopies The Great Future Tasks), Munchen Piper, '69, page 154, *Wissenschaft, Technologie und Humanitat* (Science, Technology and Humanity), in Heimendahl (ed) *Zukunft im Kreuzverhor*, Gutersloh Bertelsmann, 1970

**RUDIGER PROSKE**

please add to page 469 of Social Forecasting 1972

Journalist especially concerned with futures research Several TV Films and -Series on futures research

*Author of* (among others) *Modelle und Elemente kunftiger Gesellschaften* (Models and Elements of Future Societies) Co-author Klamroth/Thoemen, Reinbek Rowohlt, 1971, page 118

**ERNST SCHMACKE**

please add to page 469 of Social Forecasting 1972

Journalist, editor of several publications on future trends and developments EG 1980 *Ist Morgen Technik und Forschung der nachsten 10 Jahre* (1980 is Tomorrow Technology and Research in the Next Ten Years), Dusseldorf Droste, page 350, *Zukunft im Zeitraffer Die Zukunft der Kunststoffe* (The Future of Synthetic Products), Dusseldorf Droste, 1971, page 340, Editor of a series of books concerned with the future development of the districts (Lander) of the F R Germany (published till now for Northrhine Westphalia, Baden-Wurttemberg, Lower Saxony, Berlin — in preparation

**DIETER SENGHAAS**

please add to page 470 of Social Forecasting 1972

Member of the Board of Directors of Hessische Stiftung Friedens — und Konfliktforschung, D-6 Frankfurt, Eschersheimer Landstrasse 14 (tel 0611/593281

Specialist in international relations and peace and conflict research Engaged in 3 study projects 1) Analysis of the Military Industrial Complex of the Federal Republic of Germany, 2) Criticism of the Contemporary Practices of Armament-Controlling and Disarmament talks, Exemplified at SALT, 3) Problems of Contemporary Imperialism, with Special Reference to Latin America

**KARL STEINBUCH**

please add to page 470 of Social Forecasting 1972

Several articles, especially on future developments of information techniques and communications Among others *Mensch Technik Zukunft Basiswissen fur die Probleme von morgen* (Men Technology-Future Basic Knowledge for the Problems of Tomorrow), Stuttgart DVA, 1971, page 352, *Programm 2000* (Program 2000), Stuttgart DVA, 1970, page 213, *Zue Systemanalyse des technischen Fortschritts* (On Systems Analysis of Technological Development), in *Systems 69 Internationalen Symposium uber Zukunftsfragen* Steinbuch (ed), Stuttgart DVA, 1970, *Zukunftsaspekte der Informationstechnik* (Future Aspects of Information Technology), in *Techniken der Zukunft*, vol 1, no 1, 1970

## INDIVIDUALS

*intentions, change of address*

### GERHARD STOBER

please add to page 471 of Social Forecasting 1972

*Author of* several papers (among others) *Über Aufgaben und Methoden interdisziplinärer Forschung und Lehre zur räumlichen Umweltplanung* (On Tasks and Methods of Interdisciplinary Research and Lecturing with Concern to the Planning of the Regional Environment, in *Kommunikation*, vol 6, no 2, 1970

### M von ARDENNE

Director of the Forschungsinstitut Manfred von Ardenne, Dresden-Weisser Hirsch, DDR

*Author of* *Die Erhöhung des Leistungs- und Lebensalters des Menschen Durch die künftige Multidisziplinäre Medizin* (The Increase in work The Age of People Through the Future Multidisciplinary Medicine)

### HORST WAGENFUHR

please add to page 471 of Social Forecasting 1972

*Author of* several articles and books, especially on future development of economic sectors and branches. Among others: *Industrielle Zukunftsforschung* (Industrial Futures Research), München Verlag Moderne Industrie, 1970, page 186, *Zukunft in Wort und Zahl* (Future in Words and Figures), Tübingen Demokrit, 1970, page 230, *Industrial Design im Blick der Zukunftsforschung* (Industrial Design from the Point of View of Futures Research), in *Rationalisierung*, vol 22, no 4, 1971

## INDIVIDUALS

*intentions, change of address*

### CARL FRIEDERICH von WEIZSACKER

please add to page 471 of Social Forecasting 1972

Director of the Max Planck-Institut zur Erforschung der Lebensbedingungen der wissenschaftlich-technischen Welt (Max-Planck-Institute for Research on Conditions of Life of the Scientific Technical World), D-8113 Starnberg (near Munich), Riemerschmidstrasse 7

**BIENNIAL OF FUTUROLOGY** (*Biennale de Futurologie*) is the theme of a conference held in San Remo (Italy) from 1st to 5th of September 1972 by Rencontres Creatives Internationales. The programme presented many lectures in the field of Science, medicine, ecology, technology and business, economy, sociology, developing countries, international affairs, philosophy, religion, education, urban planning, humanities and liberal arts, leisure.

*(Further information: Rencontres Creatives Internationales RCI, Headquarters 3963, Crans, Switzerland)*

**THE CHALLENGE OF INTERMEDIATE TECHNOLOGY** was a lecture held in the Adams Arms (Conway St London) on October 1972, organized by BSSRS and given by George Macrobie of the Intermediate Technology Group.

**CHRISTOLOGY AND EVOLUTION** is the theme of a conference held in London on January 15th 1973 by the Teilhard Center for the Future of Man.

*(Further information: The Teilhard Centre, Cromwell Place, London SW 7, 2 JE, United Kingdom)*

**PURARIA – PURACQUA** (*Clean Air – Clean Water 1972*) was an exhibition held in Milan from 15th to 19th of November 1972 by the United States Ministry of Trade

**COMPUTER SIMULATION OF HUMAN BEHAVIOUR** is the theme of a conference to be organized in Berlin for one or two weeks in the Summer of 1973 by the International Institute of Management

*(Further information International Institute of Management, Griegstrasse 5, D-1000, Berlin 33, Germany)*

**CONFERENCE ON RESEARCH INTO TERTIARY SCIENCE EDUCATION** is the theme of a conference held in London from the 18th to the 20th of December 1972 by Thames Polytechnic in association with the Society for Research into Higher Education, the Association for Programmed Learning and Educational Technology, the Association for Science Education, the Chemical Society and the Institute of Physics. The aim was to

- Review methods and organization of educational research
- Discuss original educational research results and their applicability

*(Further information Academic Registrar, Thames Polytechnic, London SE1 8, 6 PF, United Kingdom)*

**CROSS CULTURE PERSPECTIVES ON EARLY DEVELOPMENT** is the theme of a lecture held by the American Society for the Advancement

of Science in Washington on December 26th, 1972

*(Further information American Society for the Advancement of Science, 1515 Massachusetts Avenue NW Washington DC 20005, Usa)*

**CROSS-NATIONAL APPROACHES TO THE DEVELOPMENT OF ALTERNATIVE FUTURE SYSTEMS** is the theme of a meeting which was held at the 1972 Meeting of the International Studies Association organized by an interdisciplinary and international group formed by John Galtung, International Peace Research Institute, Oslo, Norway, George Kent, Department of Political Science, University of Hawaii, Usa, Gerhard Krutsch, Educational Policy Research Center at Syracuse, Stuart McClean, Department of Religious Studies, University of Santa Clara, Dennis C Pirages Department of Population Biology, Stanford University, Jonathan Sanford, Department of Political Science, American University, John Shippee, Department of Political Science, California State College, Fullerton, California

**DEVELOPMENT OF PRODUCTION SYSTEMS** is the theme of the 2nd International Conference organized in Copenhagen from the 27th to the 31st of August 1973 by the International Conference on Production Research, The Technical University of Denmark, AMT

*(Further information The Technical University of Denmark, AMT, Lyngby, DK)*

**EDUCATIONAL IMPLICATIONS OF ZERO GROWTH** is the theme of a lecture held by the American Society for the Advancement of Science in Washington on December 27th 1972

*(Further information American Society for the Advancement of Science, 1515 Massachusetts Avenue, NW Washington DC 20005, Usa)*

**HUMAN PROGRESS** is the theme of a conference held in London on November 16th 1972 by the Teilhard Centre for the Future of Man

*(Further information The Teilhard Centre, Cromwell Place, London SW 7, 2 JE United Kingdom)*

**THE INFLUENCE EXERTED BY THE CONCEPT OF LIFE-LONG EDUCATION ON THE REFORM OF TEACHING AND PROGRAMS** is the theme of a conference held in Hamburg (Germany) from the 5th to the 9th of December 1972 by the Unesco Institute for Education and the German National Unesco Commission

*(Further information UNESCO, Place de Fontenoy, Paris VII, France)*

**INNOVATION** is the theme of a conference which will be held in Berlin in the Spring of 1973 by the International Institute of Management

*(Further information International Institute of Management, Griebstrasse 5, D 1000, Berlin 33 Germany)*

The work of the **International Academy for Continuous Education** directed by J G Bennet, is concentrated in its ten months basic course. This is a full-time residential experiment to create a means for students to develop full and balanced bodily, mental and spiritual power. All domains of human experience are represented as situations in which the student can experience, observe and contact all sides of his nature, including Organic (sensory motor) Emotional, Intellectual, Intrapersonal and Spiritual.

The course lasts from October 1972 to July 1973

Address Sherborne House, Sherborne, Cheltenham, Gloucestershire, England

**INTERNATIONAL CONFERENCE ON MARINE POLLUTION** is the theme of a conference held in London from the 30th of October to the 10th of November 1972 by the British Government with the participation of Unesco and of the Transgovernmental Oceanographic Commission

**LEISURE ACTIVITIES IN THE INDUSTRIAL SOCIETY** is the theme of an international congress to be organized in Brussels on April 5th, 6th, 7th 1973 by the Van Cle Foundation. The purpose of this congress is to approach the many-sided, important problems of recreation from multi-disciplinary points of view. Moreover, the conclusions of this congress must make it possible to inspire concrete policy options. Among the themes: The Industrialized Society, Origin of Evershortening Working-hours and of Increasing Leisure Time, The Perspectives of Leisure Activities in Tomorrow's Society, The Physiological Influence of the Individual, the Family and the Community by the Gradual Increase of Leisure Time.

## EVENTS

*meetings courses, lectures exhibitions*

The Criteria of a Recreation Policy, Particularly Ethical and Cultural Aspects  
Evolution and Policy of Recreation

*(Further information The Van Cle Foundation, Grote Markt 9 B 2000 Antwerpen Belgium)*

**LONG RANGE PLANNING AND THE ENVIRONMENT** is the theme of a conference which will be held in March 1973 by the Society for Long Range Planning

*(Further information Society for Long Range Planning 132 Terminal House Grosvenor Gardens London SW 1 OAR United Kingdom)*

**MAN, ENVIRONMENT RELATIONS AND HEALTH** is the theme of lectures held by the American Society for the Advancement of Science in Washington from December 29th to 30th, 1972

*(Further information American Society for the Advancement of Science 1515 Massachusetts Avenue NW Washington DC 20005, Usa)*

**METHODS OF SOCIAL INDICATORS ANALYSIS** is the theme of a lecture held by the American Society for the Advancement of Science in Washington on December 26th, 1972

*(Further information American Society for the Advancement of Science, 1515 Massachusetts Avenue NW Washington DC 20005 Usa)*

## EVENTS

*meetings, courses, lectures, exhibitions*

**THE NATIONAL ENVIRONMENTAL POLICY ACT** The Law and Environmental Science is the theme of lectures held by the American Society for the Advancement of Science in Washington December 27th and 28th, 1972

*(Further information American Society for the Advancement of Science 1515 Massachusetts Avenue, NW Washington DC 20005 Usa)*

**NATIONALISM, TECHNOLOGY AND DEVELOPMENT** is the theme of the 8th Regional Conference of the Pan American Committee of CIOS organized in Caracas from the end of August to the beginning of September 1973 by CIOS

*(Further information CIOS, D 6000, Frankfurt am Main, 8 Postfach 119193, Germany)*

**PROFESSIONS OF THE FUTURE AND THE FUTURE OF PROFESSIONS** is the theme of a conference which will be held in Berlin in 1973 or early 1974 by Zentrum Berlin fur Zukunftsforschung, EV BZB

*(Further information Zentrum Berlin fur Zukunftsforschung, EV BZB, 1, Berlin 31, Hohenzollerndamm 170, Germany)*

**ROLE OF FORECASTING AND IN MANAGEMENT PLANNING** is the theme of a conference to be in Berlin for three days in the spring of 1972 by the International Institute of Management

*(Further information International Institute of Management, Griegstrasse 5, D 1000 Berlin 33, Germany)*

## EVENTS

*meetings courses, lectures exhibitions*

**SCIENCE PLANNING WITH RELEVANCE TO SOCIETY** is the theme of a conference which will be held in Berlin in 1973 by Zentrum Berlin für Zukunftsforschung, EV, ZBZ

*(Further information Zentrum Berlin für Zukunftsforschung, EV ZBZ 1 Berlin Hohenzollerndamm 170 Germany)*

**WHO IS MANAGING YOUR BUSINESS?** Annual Conference 1973 to be organized in London on January 31st 1973 by the Society for Long Range Planning

*Papers on, Growth and Inflation, Prices and Incomes, Is Growth No Longer the Main Objective? The Optimum Size and Scale of the Organization, the Attitude of Management and Manpower, Consumption and Change, the Pursuit of Consumer Leisure Needs, Institutions and Investment, The Financial Structure of the New Europe*

*(Further information The Society for Long Range Planning, 132 Terminal House, Grosvenor Gardens London SW1W OAR United Kingdom)*

## **ZUUM PROJEKTGRUPPE UMWELT UND ZUKUNFTSFORSCHUNG**

*(ZUUM Project Group on Environment and Forecasting)* held a course on "Environment and Forecasting in 1972" At the end of this course, a work group, whose intention is to continue the study of the problems which emerged during the course, was constituted This group has developed the ZUUM group, which now includes about 7 or 12 followers The material presented to us reflects the complexity of this discussion on the future and on environment In short, during this course the material of Prof Jungk's course was considered, the questions which can relate

## EVENTS

*meetings, courses, lectures, exhibitions*

to civic enterprise and action were discussed, the ideas for TUB-MIT study sessions for the next year were developed and finally the group's specific problems were also discussed In particular material on the problematic environment was presented to give some indications for the work in this field

*(Further information Dok Graue Literatur Zukunftsforschung, 1 Berlin, 15, Kurfurstendamm 195/6, VI Germany)*

**3rd INTERNATIONAL CONGRESS ON RELIGION, ARCHITECTURE AND THE ARTS** is the theme of a conference sponsored in Jerusalem from September 9th to 14th by the Interfaith Research Center on Religious Architecture, as were the 1st International Congress (New York-Montreal, 1967) and the 2nd International Congress (Brussels 1970) The Congress is international, interfaith, intercultural and interdisciplinary in scope Within the framework of religion it will deal with man's environment, his value systems and his models of expression

*(Further information 1973 International Congress c/o Mr John Potts, Treasurer, 287 Park Avenue South New York, N Y 10010 Usa)*

**3rd WORLD CONFERENCE ON POPULATION** (*IIIeme Conférence mondiale de la population*) will be held in New York in 1974, by United Nations, Population Division

*(Further information United Nations Population Division, New York, N Y 10017 Usa)*

Synoptic table to be added to the synoptic table published in Autumn 1972  
on the Newsletter Social and Human Forecasting

DATE	THEME	PLACE	ORGANIZERS
<b>1973</b>			
<b>January</b>			
31	<i>Who is Managing Your Business?</i>	London (UK)	The Society for Long Range Planning
<b>March</b>			
(in general)	<i>Environment</i>	Vienna (Austria)	European Council
	<i>Long Range Planning and the Environment</i>		The Society for Long Range Planning
<b>April</b>			
5 7	<i>Leisure Activities in the Industrial Society</i>	Brussels (Belgium)	Van Cle Foundation
<b>May</b>			
27 2 June	<i>First International Congress</i>	Netherlands	The International Society for Technology Assessment
<b>Spring</b>			
	<i>Role of Forecasting and Management Planning</i>	Berlin (Germany)	International Institute of Management
	<i>Innovation</i>	Berlin (Germany)	International Institute of Management
<b>June</b>			
	<i>Prima conferenza nazionale sull'ambiente</i> (First National Environment Conference)	Urbino (Italy)	TECNECO
<b>Summer</b>			
	<i>Computer Simulation of Human Behavior</i>	Berlin (Germany)	International Institute of Management
<b>August</b>			
27 31	<i>Development of Production Systems - II International Conference</i>	Copenhagen (Denmark)	International Conference on Production Research The Technical University of Denmark AMT



DATE	THEME	PLACE	ORGANIZERS
Aug Sept	<i>Nationalism Technology and Development VIIth Regional Conference of the Pan-American Committee of CIOS</i>	Caracas (Venezuela)	CIOS
<b>September</b>			
9 14	<i>3rd International Congress on Architecture and the Arts</i>		Interfaith Research Centre on Religious Architecture
25 30	<i>Human Needs, New Societies, Supportive Technologies</i>	Rome (Italy)	Continuing Committee World Future Research Conference and IRADES
<b>1973 or 1974</b>			
	<i>Professions of the Future and the Future of Professions</i>	Berlin (Germany)	Zentrum Berlin fur Zukunftsforschung, EV ZBZ

DATE	THEME	PLACE	ORGANIZERS
<b>April</b>			
	<i>The Application of Automation and Computer Techniques for Planning and Management of the Hydrological Systems</i>	Usa	UN/ECE Economic Commission for Europe Committee on Water Problems
	<i>III World Conference on Population</i>	New York (Usa)	United Nations, Population Division

**THE CONTINUATION OF THE TYPOLOGICAL SURVEY OF FUTURES RESEARCH, U S** Contract Number HSM 42-71-71, has been completed by Dr John McHale, Director, Center for Integrative Studies School of Advanced Technology, State University of New York, Binghamton, New York 13901, under the sponsorship of the Division of Special Mental Health Programs, Center for Studies of Metropolitan Problems, National Institute of Mental Health, Project Officer Richard P Wakefield, Plans and Process Analyst, Center for Studies of Metropolitan Problems, National Institute of Mental Health, 5600 Fishers Lane, Rockville, Maryland 20852

Preface "Our second survey of futures research in the United States, though mainly confined to 'formal' work in the field, does show that a considerable number of changes have occurred. There are major shifts in the orientation and focus of work being done in the range of disciplines involved, and in the overall relationship of the field to the larger society. The earlier assessment (1) and its critical evolution of the range and content of futures research is still valid in broad outline. The specific differences which emerge from this second study may be discussed from several viewpoints"

**EXPECTATIONS II** a survey of the future conducted by Marvin Adelson, Professor, School of Architecture and Urban Planning UCLA and Samuel Aroni, Professor, School of Architecture and Urban Planning UCLA. Similarities and differences in expectations of the future across countries

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(1) 'Typological Survey of Futures Research in the U S', sponsored by the National Institute of Mental Health, Contract Number HSM-42-69-47, 1970

(Further information John McHale, Center for integrative Studies School of Advanced Technology State University of New York, Binghamton New York 13901, Usa)

and cultures are important to understand, although they tend to be difficult to discern

A group of pictures which seem to say something about the future have been assembled and distributed with questions. The images included are just a sample from a range of possible images representing future events. The study is supported by funds from the Committee on International and Comparative Studies, University of California at Los Angeles.

*(Further information: UCLA – School of Architecture and Urban Planning, Los Angeles, California 90024, Usa)*

**POST-INDUSTRIAL LIVING** compiled by C L Crickmay is a collection of quotations and comments drawn from the realms of art, design, poetry, media study, ancient views of life, human skill, man machine systems, religion, myth, social comment, experimental living, philosophy and anthropology. Quotations from the writings of Marshall McLuhan, Tom Wolfe, Idris Parry, Alan Watts, Wallace Stevens, William Blake, John Cage, Carl G Jung, Norman Mailer, Samuel Beckett and others with additional comments by J Christopher Jones and C L Crickmay.

**SOCIAL REPRODUCTION** is a study by Professor J Barel, University of Social Sciences, Grenoble. With this study Barel has tried to individualize an analytical instrument able to resume and verify the different theories applied to the study of global societies, particularly those which need social indicators. The most suitable instrument has been isolated in the concept of social reproduction.

*(Further information: Institut de Prospective et Politique Scientifique, B P 47 38040 Grenoble – Cedex France)*

### **UNESCO STUDY OF SCIENCE PROBLEMS**

In the controversy over the future of science, Unesco will start next year with the publication of 'Science in the 70s', a volume which will review recent scientific advances and the problems they pose.

An 'on-going seminar' will be indicated to bring leading thinkers to UNESCO headquarters to stimulate the debate within the Secretariat. In 1974 a symposium will be held on the cultural, ethical and aesthetic issues raised by the impact of science and technology.

During 1973-1974 an international geological correlation programme is to be undertaken in cooperation with the International Union of Geological Sciences.

*(Further information: UNESCO Place de Fontenoy, Paris VIIe, France)*

### **WORLD PROBLEMS, INTEGRATIVE DISCIPLINES, HUMAN DEVELOPMENT**

Mankind 2000, the Union of International Associations (Brussels), and the Center for Integrative Studies (S U N Y Binghamton) are collaborating in a joint project to produce a Yearbook covering these fields.

A newsletter is being disseminated which will serve to maintain contact among those interested in this endeavour, and to inform them of the requirements of the team responsible for this work as it develops. The first issue, "A New Approach to World Problems" is now available and those interested in receiving it should write to Problems Project, 1 rue aux Laines, 1000 Brussels, Belgium.

**LE COMMISSARIAT GENERAL DU PLAN (FRANCAIS)** presented a report on "the Prospective of Transports", in the collection 'Plan et Prospectives' published by the 'Librarie Armand Colin'

*(Further information Mr Bonnans Division des Trasports, C G P 233 Bd Saint Germain - 75007 Paris France)*

**FUTURES CONDITIONAL** is the first issue of a publication which is neither a magazine nor a newsletter. Futures Conditional differs from magazines because it provides information in underload from while magazines overload the reader. It differs from newsletters because it is participatory rather than passive.

"We are publishing Futures Conditional because we believe this is an extraordinary and distinctive moment in time. The only possible comparisons in recorded history are with the Copernican Revolution and the Reformation. We are convinced that the final result of the present changes will be as deep as when mankind, after aeons of hunting and gathering, shifted to an agricultural society or when the industrial era replaced the agricultural era." Futures Conditional is the continuation of an informal distribution system which was so successful that it could not be managed. The format of this trendletter is designed so that you can either keep it intact and circulate it as a complete publication or you can tear it apart after reading it and send it to various people — colleagues, husband, wife, children, minister, college, different files, etc. The last page of the trendletter is a feedback form which you can use to give us your reactions and also to subscribe if you are not already a subscriber. Futures Conditional is published monthly. Subscription rates \$24 per year. Address 34 West 33rd Street, New York, N Y 10001, Usa. Co Founder and Editor Robert Theobald, Copy right Futures Conditional 1972, Printed in the Usa.

**THE HOT LIST DELPHI** is an Exploratory Survey of Essential Reading for the future by Michael Marien, Editor, Educational Policy Research Center, Syracuse University Research Corporation, 1206 Harrison Street, Syracuse, New York, 13210, Usa

This exploratory report lists 236 books and articles, of which 192 have been rated by a panel of 14 well qualified futurists

It is the first attempt known of to secure a collective judgement on the important literature in any field of study

**NEW LIGHT IN MODESTO**, edited by Beata Kreay, highlights local group meetings and projects for full development of the whole man in the light of the new consciousness

Address 266 E Fairmont Ave, Modesto, Ca 95354

**PLANNING FOR JAPAN'S FUTURE** is a paper presented to the 4th International Symposium on Regional Development in Tokyo, Japan on November 10 12, edited and published by the Japan Center for Area Development Research 274 pages Price ¥ 3,000

"In January 1972 a group of leading Japanese scholars conferred with 15 specialists in development problems from Europe, the U S, Australia, Thailand, Korea, and Taiwan, in a symposium devoted to considering just where it is the Japanese juggernaut is heading During the course of these intensive three-day talks nine comprehensive studies were presented by their authors, each suggesting a far-reaching 'design for Japan in the twenty first century' The proceedings of this conference have now been made available to the public by the sponsors of the conference, the

Japan Center for Area Development Research

*(Further information Japan Center for Area Development Research, Iino Building 2 1 1 Uchisaiwai Cho, Chiyoda ku, Tokyo, Japan)*

**SIMON NICHOLSON and BARBARA KATHARINA SCHREINER, UNIT 22, COMMUNITY PARTICIPATION IN CITY DECISION MAKING** (Published by the Open University Press, Walton Hall, Walton, Bletchley, Buckinghamshire, UK)

This work contains a number of new design concepts relating to the theory of behaviour "continuous evolution", the catalyst theory, and what S Nicholson calls "polyculture"

## **FUTURE FORUM**

*for the meeting of ideas and people*

*This space is intended as a forum for the exchange of ideas on the future. Please write your contribution below, tear out, fold and post.*

*Future Forum is intended for an exchange of ideas on the future and to this purpose IRADES is willing to favour also the direct meeting of people. To this aim IRADES offers in Rome a point of reference for those needing for their studies on the future, an address (for mail, a room for meeting others information on Italy's studies ), within its possibilities*