



SOCIAL AND HUMAN FORECASTING NEWSLETTER

by irades, institute for futures research and education Roma Italy

WINTER 1975

With this first issue of 1975, we wish to announce that our directory, Social and Human Forecasting Documentation 1975, has now been published. Listing data on 200 organizations and 450 persons in alphabetical order, it also lists the subjects of major interest to these organizations and individuals, separates them into geographical divisions, states the birthplaces of the individuals and includes maps, continent by continent, showing the geographical position of organizations and persons involved in futures research. To bring our information up to date, in this issue we are publishing the data taken from these questionnaires returned by organizations and persons too late for inclusion in our 1975 directory. Toward establishing a closer affinity between our Social and Human Forecasting Newsletter and our Social and Human Forecasting Documentation 1975, henceforth we shall present the data on organizations and persons in the same form in which they appear in the di-

22 SCHEME

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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

In the next issue, we shall resume publication of detailed news on the second course held by the IRADES School for Futures Studies, to take place in April. We are now preparing the program of the course together with those who will participate in it.

We should like to point out that this Newsletter is not merely a source of information but also a center for intercommunications at the service of those persons who provide items of information and those who receive them. It is an open letter through which every reader can communicate to all other readers.

1) any information of particular interest and relevance to the efforts now being made toward anticipating needs, means and appropriate goals pertaining to our emerging world community

2) any ideas which may be usefully exchanged with others or which require further information

Those of our readers who come to Rome are cordially invited to meet with the editors of this publication

Director Pietro Pace

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Administration and distribution Edizioni Previsionali, via Paisiello 4, 100198 Rome, Italy

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aims, intentions, activities of groups

ASSOCIATION FOR THE ADVANCEMENT OF PSYCHOTHERAPY (AAP)

add to Social and Human Forecasting Documentation 1975, p. 8
activities: study, research, conferences, directed to health scientists
conferences: Future Oriented Psychotherapy, Dallas, May 1972, New York, March 1973

114 East 78th Street, New York, N.Y. 10021, USA, tel. (212) 288 4466

CENTRO INTERNAZIONALE RICERCHE SULLE STRUTTURE AMBIENTALI "PIO MANZU" (CIRSA)

add to Social and Human Forecasting Documentation 1975, p. 43
aims: inter-scientific research on the environment and the relationship between man and his habitat in an advanced industrial society, methodological proposals on the interaction between human, technological and industrial structures, projectual and organizational proposals for environmental improvement, promotion of public attention to environmental problems

publications: Strutture Ambientali (bi-monthly), Luigi Gambarini, director

conferences: Industry and Culture, Aspects and Problems of the Publishers' World, Rimini, September 1973, Spontaneous Tourism or Programmed Tourism? Rimini, December 1973, Industry and Culture Ergonomical Planning of the Environment, Rimini, September 28-October 1, 1974

president: Luigi Preti

secretary-general: Gerardo Filiberto Dasi

board of directors: S. Ceccato, E. Cecchi, L. Anceschi, U. Apollonio, G.F. Dasi, F. Romano, P. Ceroni

working group: Leisure, Central Italy, Herbert Ohl (coordinator), Joerg Binder, Douglas Cooper, Cees Houtzager, Herbert Kapitzki, Herbert Lindinger

47040 Verucchio (Forlì), Italy, tel. 668139/678504

SAMUEL NATHAN BAR-ZAKAI

add to Social and Human Forecasting Documentation 1975, p 250,
current professional activities professor of technological forecasting, head,
Center for Technological and Interdisciplinary Forecasting, Tel Aviv Uni-
versity

cooperates with the Israel Association for Futures Research, chairman,
Tel Aviv branch

author of Technology Assessment in Israel, in Technology Assessment
in a Dynamic Environment, edited by Cetron and Bartocha, Gordon and
Breach, 1973, Policy-Making and Technology Transfer The Need for Na-
tional Thinking Laboratories, in Policy Sciences, Vol 2, 3, 1973, Al-
ternative Energy Sources 1973-2000, December 1973 (in Hebrew)

lectures on technological forecasting given to first-year undergraduate
students of engineering, Tel Aviv University

broadcasts The State of Israel in the Year 2000, September 28, 1973,
The Energy Crisis, January 25, 1974

Center for Technological and Interdisciplinary Forecasting, Tel Aviv Uni-
versity, Ramat-Aviv, Tel Aviv, Israel, tel (03) 410984

JOSEPH F COATES

add to Social and Human Forecasting 1975, p 292:

current professional activities Office of Technology Assessment, Con-
gress of the United States

Office of Technology Assessment, Congress of the United States, Wa-
shington, D C 20510, USA, tel 202/224/6019

JANICE UDESEN COHEN

Chicago, Ill , USA, 1950

current professional activities member, research staff of The Futures
Group, principally engaged in research and consulting for private or-

intentions, change of address

ganizations and government agencies
 cooperates with Institute of Society, Ethics and the Life Sciences (*The Hastings Center*), World Future Society
 author of with T J Gordon, An Investigation of Future Technological and Social Developments and Their Implications for the Produce Industry, October 1972 (*research report*), The Future of Psychotropes, 1973-1985, Results of a Study to Define Issues and Opportunities, August 1973 (*research report*), with T J Gordon, Opportunities in Chemical Psychotropes, November 1973 (*research report*), with T J Gordon, Opportunities in Non-Chemical Psychotropes, November 1973 (*research report*), Opportunities for Pharmaceuticals in the Enhancement of Sexuality, November 1973 (*research report*), with T J Gordon, Corporate Perceptions About Operating Paradigms Within a Manufacturing Company, November 1973 (*research report*), with T J Gordon, The Future Social Environment and Its Implications for Psychotropes, November 1973 (*research report*), with T J Gordon, Opportunities in Psychotropic Services, November 1973 (*research report*), Forces for Change in Land Use and Development Issues in the 1970s and 1980s, March 1974 (*research report*)
 lectures in futures research methodology, University of Bridgeport, Bridgeport, Connecticut, 1974

The Futures Group, 124 Hebron Avenue, Glastonbury, Connecticut, USA,
 tel (203) 633-6743

BERTRAND DE JOUVENEL

"The Spectre of 1929". in an interview for Panorama magazine, Bertrand de Jouvenel draws a comparison between the present economic crisis and the crisis of 1929, which he analyzed in his book on the crisis of American capitalism. He sees the two causes of the current crisis as inflation and the petroleum problem. In his view, a solution could be found in selective distribution of credit, not by government but by regional power.

Information from Panorama, 6 February 1975, p 82-88,

*intentions, change of address***LOUIS A DERNOI**

add to Social and Human Forecasting Documentation 1975, p 318
 current professional activities consultant, UNDP, Planning Service in Tunis, for 2 years

24, Rue du Tribunal, Tunis, Tunisia, tel 263-561, Telex 12464

YEHEZKEL DROR

add to Social and Human Forecasting Documentation 1975, p 327
 current professional activities on sabbatical leave, from August 1974 to August 1975, The London School of Economics and Political Science

The London School of Economics and Political Science, Room E-301
 Government Department, Houghton Street, London WC2A 2AE, UK

MOHAMED MOSTAGA EL-FOULY

Alexandria, Egypt, 1939

former professional activities research fellow, Institute of Organic Chemistry, Saar University, Saarbrücken, research fellow, Agricultural Research Station, Limburgerhof

current professional activities permanent staff, National Research Centre, Cairo, associate research professor, Agricultural and Biological Division

cooperates with Arab League Educational, Cultural and Scientific Organization (ALESCO), Cairo, Science Department Environmental Programs
 author of Aspects of the Future, (Arabic translation from Bausteine der Zukunft, Fischer Bucherei, Frankfurt, 1968), Egypt General Book Organization, Cultural Library, Cairo, 1972, p 152, Science of the Future (Futurology), in Arabic, El-Gadid, Cairo, 16, 1, September 1972, p 38-39, Science and Youth in the Computer Age, Arabic, *ibid*, 17, September 1972, p 38-39, Agriculture in the Future, Arabic, *ibid*, Part I 14, 1972, p 97-106, Part II 2, 1973, p 129-143, Sahel-Zone, Ursa-

INDIVIDUALS

intentions, change of address

chenkomplex und Lösungsansätze für die Durrekatastrophe (Sahel-Zone, Causes and Solutions to the Drought Catastrophe), published by Forschungsinstitut der Friedrich-Ebert-Stiftung, aus den Materialien der Dokumentationsstelle N 20, August 1974, p 27, mimeographed, An ecosystem approach to the drought in Africa possible causes and proposed remedies, paper presented for the I African Pugwash Symposium, Cairo, January 1975, mimeographed, p 12, New Progress in Biological Sciences, Arabic, Egyptian General Book Organization, forthcoming, The Biological Future of Man, Arabic, Egyptian General Book Organization, Cultural Library, forthcoming

lectures Organization of Science and Research in the Federal Republic of Germany, series of lectures held at the Goethe Institut, Cairo, and at the National Research Centre, 1973, mimeographed, p 78

National Research Centre, Cairo-Dokki, Egypt, Sh El-Tahrir

JAY MENDELL

add to Social and Human Forecasting Documentation, 1975, p 456

current professional activities contributing editor, Technology Assessment Update, Newsletter of the North American Society for Corporate Planning

cooperates with Advisory Committee of the National Council for the Public Assessment of Technology, active colleague, New World Training Center

author of Values and technology in the post-Woodstock generation, paper presented at the national meeting of the American Society of Public Administration, Syracuse, N Y, May 1974

conferences attended panelist, Conference on the Future, Central Florida Community College, Ocala, October 5-6, 1973, chairman, Finding and Using Information About the Future, Miami, Florida, October 19, 1973, "What's New" chairman, Educational Program of Inventors Exposition, Miami Beach, Playboy Plaza, December 14-25, 1973, Florida's E-

INDIVIDUALS

intentions, change of address

nergy Policy, Tampa, Florida, January 22-23, 1974

workshops principal lecturer with R Donald Gamache, Bringing Invention and Futures Research, Miami, February 18-19, 1974

seminars organizer, Seminar Series on the Future, Miami Chapter of the ASPA

Florida International University, Tamiami Trail, Miami, Florida 33144, USA, tel 305-223 2300

FREDERICK SARGENT II

current professional activities professor of human ecology, University of Texas, School of Public Health

editor of Human Ecology, 1974

University of Texas, School of Public Health, Houston, Texas, USA

L G AKE TELLD AHL

current professional activities project leader, Information Processing

author of Tensors and Socio-Dynamics The Postulate of Bi-Duality, paper presented at the Joint Symposium on Prognostics and Programming of Modern International Relations, February 1975, A Transactions Graph gT, as a Means to Establish a N Level, Hierarchical Model of International Trade Relations, paper presented at the same Joint Symposium, February 1975

conferences Joint Symposium on Prognostics and Programming of Modern International Relations, arranged by Haus Rissen, Institute for Politics and Economics, Hamburg, and the International Institute for Peace, Vienna

Svetsarv 13, 175 73 Jarfalla, Sweden

EDUCATION FOR THE FUTURE

invitational seminar

place London (UK)

date February 3-13, 1975

organizers CIBA Foundation

TECHNOLOGY ASSESSMENT AND THE LIMITS TO GROWTH

A conference sponsored by the Government of Canada and the International Society for Technology Assessment

place Ottawa, Canada

date February 4-5, 1975

The objective of the meeting was to determine the implications of technology assessment in future technological change, growth and social change, in a forum open to Canadian, American and European viewpoints. Bell Canada and Datacap Limited organized the conference.

For further information call Bell Canada's Business Planning Group collect at 514-870-5733, or write to Technology and Growth, Box No 1420, Place Bonaventure, Montreal, Quebec H5A 1H3, Canada. Information from World Future Society Bulletin VIII, 12, December 1974.

PROGNOSTICS AND PROGRAMMING OF MODERN INTERNATIONAL RELATIONS

A joint symposium conducted by the International Institute for Peace in Vienna and the Haus Rissen, Institute for Politics and Economics, Hamburg

place Haus Rissen, Hamburg (Germany)

date 13-15 February 1975

This symposium carried forward discussions on problems of international relations, held during recent years between scientists from the East and West, both at the International Institute for Peace and the Haus Rissen. The new perspective ushered in by international détente makes

EVENTS

meetings, courses, lectures, exhibitions, etc

this dialogue extremely timely Each institute has prepared a report on the subject

(Further information Haus Rissen, Institute for Politics and Economics, 193, Risener Landstrasse D-2 Hamburg 56, Federal Republic of Germany)

FUTURE STUDIES POST-GRADUATE COURSE

place Dubrovnik (Yugoslavia)

date February 17-March 14, 1975

organizers Inter-University Centre of Post-Graduate Studies
Draft program

First week *Developing theory*

Monday, February 17 Morning Opening and short outline of the course (J Galtung), Typology of Images in the Future (J Dator), Afternoon seminars - Making acquaintance among participants (and the present resource persons), - What are their backgrounds? - What is their foreknowledge of the field? - What is their specific interest in the course? - What specific contribution can each of them make? - What could be done with the results of the course? (This last question should be reviewed during the final evaluation of the course)

Tuesday, February 18 Morning Historical overview after WW II (B van Steenberg), Theory of social change, a utopian alternative (J Dator)

Wednesday, February 19 Morning Typologies of future researches (B van Steenberg), Marxian and non-Marxian view of future (O Flechtheim)

Thursday, February 20 Morning Designing the future (J Dator), Stage of arts in teaching the future (W Eldredge)

Friday, February 21 Towards a pluralist science and its relevance for future studies (J Galtung), Alternative possible urban futures (W Eldredge)

Second week *Developing methodologies*

Monday, February 24 Morning New economic indicators (G Bruckmann), Global indicators (J Galtung)

Tuesday, February 25 Morning New economic indicators (continued)

EVENTS

meetings, courses, lectures, exhibitions, etc

(G Bruckmann), Global indicators (J Galtung)

Wednesday, February 26 Morning New economic indicators (G Bruckmann), Social indicators (J Galtung)

Thursday, February 27 Morning Models of global planning (J Galtung), The function of living architecture (methodology) (Y Friedman), Afternoon seminars Linguistic problems (Broeckman), Presentation by the participants

Friday, February 28 Morning Models of future society (O Flechtheim), The future of living architecture (concrete) (Y Friedman), Afternoon seminars Hermeneutics (Gadamar)

Third week *Facing complex problems in view of the future*

Monday, March 3 Morning General introduction (E Masini), A critical review of the field of futures studies I (Y Dror), A critical review of the field of futures studies II (Y Dror)

Tuesday, March 4 Morning Context of the Yearbook of World Problems (A Judge), Changing relationship between developed and developing nations (P Heintz)

Wednesday, March 5 Morning First results of Project on World Problems (A Judge), The end of youth revolt? (P Heintz), Afternoon Learning from the Chinese (J Galtung)

Thursday, March 6 Morning New approaches to education the experimental school (D Dolci), Mass-media in education (A Ferrari Toniolo)

Friday, March 7 Morning New approaches to education the experimental school (D Dolci), New approaches to education (J Galtung)

Monday, March 10 Morning Futurology and Socialism (R Schwendter), Low energy living (L A Derno)

Tuesday, March 11 Morning Arguments for low energy technology (F Kohler), Technology in developing countries (L A Derno), Afternoon Presentations by the participants

Wednesday, March 12 Morning Possibilities for low energy technology (F Kohler) The young in the next 25 years (A Beer), Afternoon Presentations by the participants

Thursday, March 13 Morning Children, youth and the future (O Gran

meetings, courses, lectures, exhibitions, etc

de), The development of a constructive alternative in future studies (R Schwendter)

Friday, March 14 Morning Evaluation of the course and proposals for the course

LES MEGALOPOLES DANS L'EUROPE DU NORD-OUEST

a conference organized by the Institut d'Etudes Europeennes de l'Universite Libre de Bruxelles

place Brussels, Belgium

date March 20-21, 1975

The discussion will focus on the **economic** and sociocultural aspects of urbanization and on the future of the cities of North-West Europe
Information from 'Futur' informations, 5, January 1975

THE LIMITS TO MEDICINE

place Davos (Switzerland)

date March 24-26, 1975

organizers Gottlieb Duttweiler Institute

paper and speakers Monday, March 24, 1975 Introduction (Comfort), The limits to medicine (Illich), The hidden logic of the growth of medicine (Dupuy/Karsenty), The crisis in health care (Hubbard), Perspectives on trends in health costs and outcomes (Wright), Unequal access to medicine within and between nations (Adler-Karlsson), The medical consequences of the size of nations (Kohr), The hospitalization of space (Lindheim), Privilege in health provision (Rexed), Sickness as a product of medicine (Schaefer)

Tuesday, March 25, 1975 Necessity of a 25-year plan for medicines (Servier), The social and economic issues facing the pharmaceutical industry (Teeling-Smith), Drugs as an epidemic a symptom of the sickness of our age (Cramer), Practical problems of drug abuse (Young), The limits of product liability in different countries (Sjostrom), Medical information

meetings, courses, lectures, exhibitions, etc

as an ethical problem (Pradal), The response of the pharmaceutical industry to criticism and control (Pachter), The social basis of medicine (Lal), Medicine to serve people (Leyers), The right to health (Von Wartburg), The right to health care or the right to health delivery (McKnight), general open-end discussion, introduced by a panel of doctors Wednesday, March 26, 1975 Can illness be prevented? (Salk), Medicine in contemporary culture The basis of medical morals (Kienle), Freedom and health the conflict between cure and control (Szasz), Alternative provisions for the profession of medicine (Carlson), Popular medicine an alternative to scientific medicine (Von Ferber), discussion, The indestructibility of medicine (Ziegler), The patient as the colleague of the doctor and the nurse (Thiadens), The therapeutic relationship from the point of view of the nurse (Jager-van der Kam), History, right and limits of health (Goldschmidt), general open-end discussion introduced by a panel of doctors, concluding remarks (Comfort) Panel of doctors Fred Auer, Walter Blumer, Max Geiser, Nikolaus Count Hendrikoff, B Luban-Piozza, Paul Luth
patron Forum Davos Foundation Scientific Study Centre, 7270 Davos Platz, Switzerland, tel 083/3 58 12 (B Gerber)

(Further information John G Cartwright, Gottlieb Duttweiler Institute for Economic and Social Studies, Park "Im Gruene", 8803 Ruschlikon (Switzerland), telephone 01/724 00 20, Telex 55 699, Telegram Greenmeadow)

MEDICINA DEL FUTUR

a lecture sponsored by the Club d'Amics de la Futurologia

place Barcelona, Spain

date March 1975

speakers Ramon Sarro, Antoni Puigvert, Josp Trueta

(Further information Club d'Amics de la Futurologia, Gran Via, 608, 8e D, Barcelona, Spain)

EVENTS

meetings, courses, lectures, exhibitions, etc

FUTURE FORUM

sponsored by Future Research Corporation

place Museum of Science, Boston

date April 19-21, 1975

The three-day program

April 19 Space Transportation Paper and speakers The Extra-Terrestrial Imperative, K Ehrlicke, Martian Robot / Artificial Intelligence, E W Merriam, J Becker, Science-Fiction and the Future, B Bova, Space Colonization, E Hannah, Alternative Auto Engines, W Syniuta, R Stone, W Goldman, The Magneplane, M Kolker, Airships, J Vittek, F Morse

April 20 Health, Data Processing, Communication Paper and speakers Day Dream Monitor, K Montor, Biotelemetry, E Fromm, Data Processing in the Future, F Withington, Future Funnies, G Wilson, Telecommunication, B Strasser, Cable TV, J Stern, Video Synthesis, R Hays

April 21 Education, Resources, Energy Papers and speakers Future Studies, F Koster, Interactive Lecture System, S Wilson, Ocean Resources - Water, Food, Energy, K Stehling, Alternative Energy Sources - Coal, Geothermal, Wind, etc, K Stehling, Solar Energy, A I Mlavsky, M Glesk, D Watson, Wind Power, F Stoddard, Power from Space, R Williams

(Further information Future Research Corporation, 12 Shattuck St Nashua, NH 03060, Phone (603) 883-1503)

AU DELA DU GIGANTISME RECHERCHE D'UN OPTIMUM (Beyond Gigantism The Search for an Optimum)

international conference

place Verrière-Maurepas (30 km from Paris)

date 12-13 May 1975

organizers Association Internationale Futuribles and Revue Politique et Parlementaire

Panels on four principal themes - 1 The city, - 2 Public administra-

EVENTS

meetings, courses, lectures, exhibitions, etc

tion, - 3 Business, - 4 The means (Concorde, super-tankers)

Much has been said about the limits to growth (economic), considered only from the standpoint of resources and ecological consequences, yet the phenomenon of growth, in all its aspects, is characteristic of our society. Thus, the question arises to what extent must this trend toward constant expansion be controlled and why?

Opposing gigantism means questioning our concept of the optimum and every aspect under discussion - social, technical, economic, administrative, etc. Can these different optimal points be reconciled?

Members of the organizing committee are Serge Antoine, Bertrand de Jouvenel, Pierre Pigniol, Guy Planadevall and Jacques Riboud. Rene Chodez and Hugues de Jouvenel are in charge of the conference secretariat.

(Further information Renee Chodez 88 bis Rue Jouffroy, 75017 Paris, France tel 267 00 23 - Renee Chodez)

IFAC VI WORLD CONGRESS -- CONTROL TECHNIQUES AT MAN'S SERVICE

a congress sponsored by the American Automatic Control Council, in cooperation with the Massachusetts Institute of Technology and Harvard University

place Boston-Cambridge, Massachusetts, USA

date August 24-30, 1975

Information from Notiziario CNOS, 10, Ottobre 1974, p 19

(Further information, IFAC/75 Secretariat, 400 Stanwix Street, Pittsburgh, Penna 15222 USA)

TOMORROW'S HOUSING

place Athens (Greece)

date December 16, 1975

organizers The Committee for Housing, Building and Planning, of the United Nations European Economic Commission (EEC) At the invitation

EVENTS

meetings, courses, lectures, exhibitions, etc

of the Greek Government
information from UN-ECE Information, 13 December 1974, p 1-2

1975 GENERAL ASSEMBLY OF WORLD FUTURE STUDIES FEDERATION

The General Assembly will be held on 30-31 May 1975 in Berlin (Zentrum Berlin für Zukunftsforschung, Berlin 12, Giesebrechtstrasse 15)

The agenda is as follows

30 May

-- opening session

10 00 - 13 00 -- discussion of 'Social Minimum and Social Maximum'

15 00 - 18 00 -- continuation of discussion

20 00 -- General Assembly (report on future of WFSF, next World Conference, election of officers)

31 May

10 00 - 13 00 -- continuation of General Assembly

Conference office Zentrum Berlin für Zukunftsforschung e V Giesebrechtstr 15 D-1 Berlin 12, telephone 030-882 88 71

secretary Monika Oultin

office hours 2 00 p m -- 5 00 p m

registration please register for participation, if possible, in writing the number of participants of the conference (Friday) is limited

DATE	THEME	PLACE	ORGANIZERS
January			
6 20	<i>Bi-Annual World Conference and the Roles of Women</i>	India	The Association for World Education
3 - 13	<i>Education for the Future</i>	London (UK)	CIBA Foundation
17 19	<i>The International Cooperation Festival 1975 - Recherche for Life A Cosmic Search</i>	Los Angeles (USA)	International Cooperation Council
February			
4 - 5	<i>Conference on Technology and Growth - An Exploratory Dialogue on Technology Assessment and the Limits to Growth</i>	Ottawa (Canada)	The Business Planning Group, Bell Canada, Datacap Limited, Ottawa, Canada
13 - 15	<i>Prognostics and Programming of Modern International Relations</i>	Hamburg (Germany)	Int Inst for Peace, Vienna, Institute for Politics and Economics

DATE	THEME	PLACE	ORGANIZERS
March			
24 - 26	<i>The Limits to Medicine</i>	Davos (Switzerland)	Gottlieb Duttweiler Institute
April			
19 - 21	<i>Future Forum</i>	Boston (USA)	Future Research Corporation
May			
12 - 13	<i>Au dela du gigantisme recherche d'un optimum</i>	Verriere-Maurepas (France)	AIF, Revue Politique et Par- lementaire
21 - 24	<i>Planning for the Fourth Quarter Century</i>	San Francisco (USA)	International Affiliation of Plan- ning Societies and the Planning Executive Institute
30 - 31	<i>1975 General Assembly of WFSF</i>	Berlin (West Germany)	World Future Studies Fede- ration
June			
2 5	<i>The Second General Assem- bly of the World Future Society</i>	Washington D C (USA)	The World Future Society
August			
24 - 30	<i>Third Annual Conference on Technology Assessment -- Technology Assessment in the Chemical Industry</i>	Newark, N J (USA)	Center for Technology Assess- ment
October			
	<i>IFAC VI World Congress- Control Techniques at Man's Service</i>	Boston-Cambridge (USA)	American Automatic Control Council in cooperation with MIT and Harvard University
	<i>Growth, Development, Qua- lity of Life -- Global and Regional Social Solutions</i>	Prague (Czechoslovakia)	International Institut fur den Frieden and Institute for In- ternational Relations, CSSR
December			
1 - 6	<i>Tomorrow's Housing</i>	Athens (Greece)	EEC and the Greek Government

DATE	THEME	PLACE	ORGANIZERS
1976	<i>Methods of Solving International Conflicts and Crises</i>	Frankfurt/Main or Vienna	International Institut fur den Frieden, and Hessen Foundation for Peace and Conflict Research
	<i>International Cooperation in Solving Global Problems for Safeguarding Peace</i>	Vienna or Novosibirsk	International Institut fur den Frieden and the Peace Science Society, USA the Institute for World Economy and International Relations, or the Central Economic - Mathematical Institute of the USSR Academy of Sciences

ICI IN THE COMMON INTEREST

an opinion forum for all those interested in promoting a legal order in the oceans, sponsored by the UN NGO, a group deeply interested in the problems of the oceans. The members attended the third United Nations Conference on the Law of the Sea in Caracas in the summer of 1974, during which a comprehensive, effective environmental protection plan was studied. They will also attend the Geneva session, beginning March 17, 1975.

The members of the Committee are Peter Huessli, a graduate student at Columbia, who works with the Sierra Club, Miriam Levering, of the Friends World Committee, director of the Ocean Education Project, Alberto Szekely, professor of law at the University of Mexico City, professor Roderick Ogley, University of Sussex, who represents the World Federation of UN Associations, and Dr. John Logue, director of the Villanova University's World Order Research Institute.

(for further information contact World Order Research Institute Villanova University, Villanova, Pa 19085, USA)

IRADES

Marking the publication of Yehezkel Dvor's book "Per una scienza della scelta politica", issued in Italian by the Edizioni Previsionali, the author held a meeting at IRADES February 25, 1975, on the theme, Can Policy Sciences Help Solve Present and Future Crises?

(further information IRADES Via Paisiello 00198 Roma Italy)

PRIZE COMPETITION ON THE THEME OF THE FUTURE

Celebrating the fiftieth anniversary of its foundation, to fall on December 15, 1975, NIVE, the Netherlands Management Committee, has announced a prize competition on the general theme of possible futures, the function, position and responsibility of management in our so-

ciety, and the role the human factor must assume in the various work sectors over which managers preside

The theme is entitled, "Man, Management and the Future"

The complex development of our society, the acceleration of change, the ever-increasing problematics devolving on the responsibilities of organizations, the sharpened critical faculty of traditional models, and the rising influence of the social factor over the technical and economic context within organizational structures — all these considerations have created a notable impact on the development of many kinds of organizations and work structures, among them business firms, hospitals, public administration agencies, churches, higher education institutes and social welfare units

Many signs, readily recognizable today, indicate that within the very near future, management on all levels will confront new problematics and changes

NIVE therefore invites scholars to submit a monograph on the topic "Man, Management and the Future"

ERRATA - THE CULTURAL PARADIGMS PROJECT

in Newsletter 19, autumn 1974, please correct page 23

Ways you can relate to the project

1) send us copies of important statements, particularly if you are Canadian

to

1) send us copies of important statements, particularly if they have been made by Canadians

UNIVERSITY EDUCATION IN FUTURES STUDIES A MARK III CRITIQUE

by H Wentworth Eldredge

The recent enquiry into the courses on future studies throughout the

world, the "University Education in Futures Studies A Mark III Report", is the third such investigation, following the Mark I Report of 1970 and the Mark II Report of 1972. This latest undertaking was launched in the summer of 1973 when 1 200 open questionnaires concerning university courses on the subject were distributed among persons previously canvassed in the first two enquiries, as well as others found through newspapers, organizations and various contacts. The rate of reply to these questionnaires was 26.5 percent.

The purpose of this new investigation was to formulate a realistic panorama of futures education offered in both graduate and under-graduate education, and to arrive at a critical analysis of the breadth and quality of university instruction in all disciplines oriented toward the future. In this enquiry, the definition of futures courses includes technological forecasting, technology assessment, policy studies, demographic projections, economic forecasting, studies on peace and even, to some extent, utopian literature and science fiction. Geographically, the enquiry was extended to include the entire world. The low rate of replies to the questionnaire can be attributed among other reasons, to the fact that futures studies have expanded notably outside the universities, particularly on the government level as in the USA, Canada, Sweden, The Netherlands, France, Austria, England, the USSR, Poland, Czechoslovakia, Romania and Hungary. The areas in which futures studies have seemingly made the greatest advancement are technological forecasting and technology assessment (closely allied to models), policy and peace studies, which are now probably enjoying their greatest development in the universities and in the marginal areas of science-fiction and utopian literature. As for methods of learning and instruction, there is nothing much new in the sphere of futures studies, except in technological forecasting, technological assessment, systems dynamics, the policy sciences and group methods (SYNCON).

The enquiry reveals a total of some 1 500-2 000 persons involved in futures instruction. An analysis of the disciplines in which these persons specialize shows that while anthropology has not been to any de

gree oriented toward the future as hoped, although some instructors are favorable to alternative futures, economics and history are likewise indifferent to this perspective. Business administration is primarily based on technological forecasting, technology assessment, social and values forecasting. Moreover, model builders and others concerned with the games theory, systems analysis, cross-impact analysis and systems dynamics are exerting a growing influence in all areas of futures work, from technology assessment to urbanistics and literature.

Due to problems concerning the environment and natural resources, demography becomes increasingly important, while sociology is becoming ever more alert to social change and forecasting. The enquiry shows that the sociologists and political scientists are apparently slanting their traditional courses to the future more than all other instructors.

As for methodologies, in 1974 all the same forecasting and didactic methods were used as in the previous years, but without any verification of their heuristic value. However, there was a tendency to develop a research-instructional methodology in these areas: a) technology forecasting/technology assessment, b) the general theory of systems and systems analysis/dynamics, c) Delphi/cross-impact analysis, d) political studies and e) creativity and learning through experience (scenarios).

Three solutions were chosen for the introduction of futures courses: to devise an entire course on the future, to lend a futures orientation to existing courses, or to develop futures studies programs in a few cases. A highly interesting methodology is being developed based on the computer's general systems theory, systems dynamics, technological forecasting, technological assessment and the Delphi method refined by cross-impact analysis.

Education toward the future suffers from an identity crisis, hence, there is a need for persons who can work as liaison between futures studies and traditional disciplines and with the public, and for creative minds which can step up both the intellectual output and level.

This latest poll leads to several general conclusions: that futures courses are growing at the approximate rate of 50 percent bi-annually, even

though the enquiry does not show all the major developments realized by futures courses in work based on the computer, in the general theory of systems, systems dynamics, technological forecasting, technology assessment, Delphi and in the cross-impact matrices. Generally speaking, sci-fi has not been included in this survey, 1500± courses are now being offered in that field. And there are at least 80 programs (!) in the policy sciences not covered here.

On the other hand, it appears that European universities have not accepted futures studies except in the sphere of technological forecasting and computer studies. It would seem that social and values forecasting represents the Achilles heel of futures studies.

University instructors are demonstrating increasingly favorable attitudes to the future, if not to futures courses per se. In a field with a high rate of replacements, some instructors show little or no interest in futures studies while others become absorbed with them. There is much to be done in creativity, but no one knows as yet how to pioneer in this direction, hence the best tactic would seem to be the orientation to the future of existing courses. Futures studies must be more clearly defined, Ph.D. programs on general futurism must be devised and the young generations must be sensitized. Clearly, an enormous task is waiting to be done to re-orient the people of the world and to train them to think in terms of alternative futures.

PUBLICATION AND OTHER RESULTS

Mark I 1970

1 "Education for Futurism in the USA: An On-Going Survey" presented as a paper at the Second World Future Research Conference in Kyoto, April, 1907

2 "Education in Futurism", *The Futurist*, Vol. 14, No. 5, December, 1970

3 "Education for Futurism in the United States: An On-Going Survey and Critical Analysis", *Technological Forecasting and Social Change*, 2 (1970), 133-148

- 4 "Education for Futurism in the USA" in Challenges from the Future Proceedings of the International Future Research Conference (Tokyo, Japan, Society of Futurology, Kodansha, Ltd., 1970)
 - 5 Future Studies Syllabus (much adapted and expanded) by Billy Rojas, with the assistance of H Wentworth Eldredge (mimeo Alice Lloyd College, Kentucky, November, 1972)
 - 6 "Teaching the Sociology of the Future," delivered in altered form with additional sociology inputs, at the American Sociological Society Meeting, New Orleans, August 28-31, 1972, "Workshop on Futurism", and published in mimeo bound version by the Office for Applied Social Science and the Future, University of Minnesota, 1972
 - 7 "Teaching the Future" Chairman of session at World Future Society, First General Assembly, Washington, May, 1971
 - 8 "Appendix Status Report Sample Syllabi and Directory of Futures Studies" by Billy Rojas and H Wentworth Eldredge (considerably altered form), in Alvin Toffler, Learning for Tomorrow (Random House, 1974)
 - 9 "Education for Futurism with Special Reference to Political Science" with political science inputs in Albert Somit, Political Science and the Study of the Future (Hinsdale, Ill Dryden Press, 1974)
- Mark II 1972*
- 1 Delivered as a paper, "A Mark II Survey and Critique of Future Research Teaching in North America", at the Third World Future Study Conference in Bucharest, September, 1972
 - 2 "Teaching the Future at North American Universities", The Futurist, Vol VI, No 6, December, 1972
 - 3 "A Mark II Survey and Critique of Future Research Teaching in North America" Technological Forecasting and Social Change, Vol 4, (1973), 387-407
 - 4 Summary "Future Courses Mushroom in North American Colleges", Futures (UK), Vol 4 No 4 (1973)
 - 5 "A Mark II Survey and Critique of Future Research Teaching in North America", Proceedings of Third World Future Study Conference

(Bucharest, 1974 (?) -- not yet seen

Mark III 1974

- 1 Fields Within Fields December, 1974
 - 2 Futures (UK) February, 1975
 - 3 Technological Forecasting and Social Change, Vols 7/2 and 7/3 in the spring of 1975
 - 4 Abstract The Futurist, a repeat of their coverage of MK I and MK II Issue date?
 - 5 Summary TRADES (Rome) Issue date not yet fixed
 - 6 Much modified version or tangential paper to be presented at the World Future Society Conference in Washington, June, 1975 (probable)
 - 7 Much modified version or tangential paper to be presented at the World Future Studies Federation Conference in Mexico City, September, 1975 (probable)
 - 8 Tangential paper CIBA Foundation Symposium on "The Future as a University Discipline", February, 1975
- Mark IV 1976 (?)*

ALTERNATIVES JOURNAL FOR WORLD POLICY

The main purpose of this journal is to promote wide-ranging discussions and debates on the future of the world according to a set of values, among them the dignity of the individual and of peoples, equality and justice as principles of social organization, participation in political and economic decision-making structures and the productive process, elimination of oppression and coercion in human and international affairs, and harmony between man, nature and technology

The journal will be normative and policy-oriented, exploring global issues and problems and policies of world-wide relevance

It will be future-oriented and actively concerned with shaping and designing the future along preferred lines on the basis of the values stated above. The journal will encourage an integrated view of dimensions from the viewpoint of realizing values, particularly the interdependencies among them, in specific terms of the world's future within the next two or three decades

Its writers will be encouraged to provide alternative scenarios and policy prescriptions with a view to promoting wide-ranging debates on means of achieving a better future

Beginning in January 1975, this quarterly journal is being published in volumes of approximately 500 pages, each consisting of four issues of about 125 pages. The subscription price per volume is US \$37.75 for institutions, US \$ 15.95 for private subscriptions in North America, Europe, Japan, Australia, New Zealand and South Africa. For all other countries, US \$ 15.95

Orders and requests for sample copies may be sent to North-Holland Publishing Company, P.O. Box 211, Amsterdam, The Netherlands

(Further information. General editor Rajni Kothari, Centre for the Study of Developing Societies, 29 Rajpur Road, Delhi-6, India)

AMERICA AND THE FUTURE OF MAN COURSES BY NEWS-PAPER

a learning kit University Extension, University of California, San Diego, 1974

This educational material can be used either in or out of the classroom. It consists of a 59-page booklet of lectures by such futurists as Daniel Bell, John Platt, James Bonner, Kenneth Boulding and Robert Sinshemer. The materials provide a general introduction to the study of the future. The lectures originally appeared in 250 newspapers as part of a Course by Newspaper, underwritten by the National Endowment for the Humanities.

Information from World Future Society Bulletin, October 1974

CULTURES BEYOND THE EARTH

edited by Magoroh Maruyama and Arthur Harkins, Vintage Paperback/Random House, New York, August 1975

This book is a collection of the winning papers of the essay/fiction contest on Cultural Patterns of Extraterrestrial Communities, held for anthropologists, engineers, technologists and scientists in 1974. The papers were presented and discussed at the American Anthropological Association meeting in November 1974.

Contents: Foreword by Alvin Toffler and introduction by Magoroh Maruyama

Chapter 1 Toward an Extraterrestrial Anthropology, by Roger W. Wescott

Chapter 2 Anthropocentrism and First Contact with Non Human Cultures, by Donald K. Stern

Chapter 3 The Moral Obligations of Anthropology, by Barbra D. Moskowitz

Chapter 4 Extraterrestrial Communities: Considerations Cultural, Legal, Political and Ethical, by Philip Singer and Carl R. Vann

Chapter 5 Terra Luna: A Frontier City State, by William Gerken Jr

Chapter 6 The Planet Xeno, by Shirley Varughese

Chapter 7 The Contact Group and a Non-Human Extraterrestrial culture by Mary Oberthur

Chapter 8 Synthesized Earth Cultures of Lunar Communities and the Effect of Non-Human Cultural Contact, by Kim A. Mayyasi

Afterword by Sol Tax

(Further information: Magoroh Maruyama, Portland State University, P.O. Box 751, Portland, Oregon 97207, USA)

CULTURES OF THE FUTURE

edited by Magoroh Maruyama and Arthur Harkins, Mouton Publishers (American edition: Free Press), early 1976

Preface by Sol Tax, Foreword by Alvin Toffler

Volume I Part 1 The Future as a New Dimension of Anthropology, by Margaret Mead, Elise Boulding, Magoroh Maruyama

Part 2 Anthropological Insights for Social Policy: Western Views, by Steven Polgar, James Gifford, Anthony Wilden, Arthur Harkins

Part 3 Anthropological Insights for Social Policy: Third World Views, by Sory Camara, Chudi Nwachil, Kivuto Ndeti, Samir Ghabbour, Lalitha Gunawardena, T.K. Moulik

Part 4 Conceptualization of the Future in Various Cultures, by Robert McKnight, James Gifford, Roger Wescott, Evan Vlachos,

Volume II

Part 5 Anthropological Perspectives of Social Movements and Cultural Trends, by Luther Gerlach, Elise Boulding, Jack Shuman

Part 6 Perception, Action, Research Paradigm and Policy Design, by Sue-Ellen Jacobs, Magoroh Maruyama, Edmund Bacon

Part 7 Education Toward the Future, by Roger Wescott, Arthur Harkins

Part 8 Future Cultural Alternatives: Imaginative Use of Anthropology, by George Benello, Marion Dobbert, Dorothy Keur, Russell LaDue, Eugene Ruyle, Perihan Tawfik, Samy El-Iskandarany, H. Lefferts

recent or in press

For pre-publication orders, write to Karen Tkach, Mouton Publishers, Herderstraat 5, P O Box 1132, The Hague, The Netherlands

(Further information Magoroh Maruyama, Portland State University, P O Box 751, Portland, Oregon 97207, USA)

EDUCATION FOR GENERAL MANAGEMENT THE STAFF COLLEGE APPROACH

edited by M B Brodie and E A Life, Study n 12, UNITAR, New York, 1974, p 141, \$ 5 00

This document explains the training approach to the general management and administration of the Staff College, pioneered by Noel Hall, of the Administrative Staff College at Henley-on-Thames, in the UK It describes how the Henley College has changed and developed over the years, and how other colleges in various parts of the world have profited by the experience gained at Henley and adapted it to their special requirements, particularly in Australia, East Africa, Ghana, Pakistan, Jamaica, Mexico, New Zealand and the US, and compares their various experiences

GENETIC REVOLUTION SHAPING LIFE FOR TOMORROW

by D S Halacy, Harper & Row, New York, 1974, p 206

This volume describes the on-going genetic revolution which may eventually result in a homo futuris replacing homo sapiens

Information from The Futurist, June 1974, p 151

HUMAN ECOLOGY

edited by Frederick Sargent II, North-Holland Publishing Company, Amsterdam, 1974, 480 pages

Nineteen authors from the biological, physical and social sciences discuss man, his use of resources, the human condition and environmental qua-

recent or in press

lity Their general thesis is that man is creating a human ecosystem by transforming natural ecosystems to fulfill his needs and requirements

(Further information North-Holland Publishing Company P O Box 211, Amsterdam, The Netherlands)

OBIETTIVO UOMO (OBJECTIVE MAN)

by Aurelio Peccei

"The prospects opening up before humanity are gloomy, but with a development of the human quality, we can get by" This is the essence of Aurelio Peccei's message in his article written for Successo magazine, contributing to the current debate on the future of mankind and its possibility to survive

Information from Successo, January 1975, p 89-98

PERSPECTIVE CANADA A COMPENDIUM OF SOCIAL STATISTICS

This is the first compendium of major social statistical time series for Canada The areas of concern examined in the volume were selected because they focus on the individual from a social rather than economic point of view

Information from Social Indicators Newsletter, 5, October 1974

URBAN ECOLOGY

an international journal sponsored by the International Association for Ecology

Published by the Elsevier Scientific Publishing Company, it will appear in one volume per year in quarterly issues, the first of which is scheduled for early 1975

Urban Ecology will be concerned with ecological processes and interactions within urban areas and between urban settlements and the surrounding natural systems which support them Editor-in-chief R

recent or in press

LaNier (Milwaukee, Wisconsin, USA)

(Further information P O Box 211, Amsterdam, The Netherlands)

PROPOSAL FOR ANNEXING ALL THE TERRITORIES OF THE PACIFIC, INDIAN AND ATLANTIC OCEANS AND THE NEW STATES WHICH HAVE EMERGED IN THEM TO THE TOTAL JURISDICTIONAL, POLITICAL AND ADMINISTRATIVE SOVEREIGNTY OF THE UNITED NATIONS

If it is to build a world in which all peoples will share an equal chance to survive, society must revise its concept of geographical space and realize that political frontiers are barriers to the construction of its social habitat

It is false and futile to believe that such frontiers will soon be abolished, therefore possible solutions to the problem should be studied. My proposed solutions cross oceans to arrive at a premise, which is, in synthesis

Beginning with the vast expanses of the sea — the *AGER PUBLICUS* — where every existing thing is the property of no one — *RES NULLIUS* — I have traced an indicative itinerary along determined geographical coordinates. Within the circumscribed marine area, only the United Nations should have the right of jurisdictional, political and administrative sovereignty, ergo, no one person may exploit its natural resources for his exclusive profit.

Giving substance to this concept, I submit a proposal for new statutory regulations to control maritime and fishing rights which depart from existing international conventions. Moreover, I urge priority recognition of the no longer-indispensable "joint-ownership and joint participation" principle to unite all peoples in an integrated, proportional administration of the oceanic territories. These concepts have strong roots in "natural law".

Food, oxygen and raw materials are determinant factors in the very survival of the human race. A global ecological-economic order is therefore imperatively required.

TOWARD A UNITED AND GLOBAL FOOD STRATEGY ON THE PLANETARY SCALE CULTIVATING AND HARVESTING MARINE PRODUCTS ON A FAIR, RATIONAL BASIS

The essence of such a strategy lies in the findings, through close observation, which concern the azimuthal projection of the ANTARCTIC. This zone is the convergent center of the oceans, which gravitate to the same geographical point, while the physical configuration of the antipodes is just the opposite. The ARCTIC is a Mediterranean sea bordered by the Eurasian and American continents. On this observation rests my hypothesis, intended to complement and give fuller meaning to the preceding proposal. In brief:

The ANTARCTIC (13 101 154 sq mi) is certainly the largest and most efficient refrigerator donated by Mother Nature to the human race. The ANTARCTIC possesses all the requisites for an invaluable depository of food, in which a beneficial food logistics program could be actuated by installing a chain of plants and storehouses equipped to process and conserve vegetable and animal protein matter harvested in the surrounding seas.

In the ANTARCTIC, such a food strategy is obviously valid only for the archipelagos surrounding it on the 80° parallel.

This strategy also encompasses provisions against altering the eco-biological equilibrium of the oceans. It does not seek to be substitutive or alternative to the intensive cultivations in coastal waters, but rather aims to develop the logistic possibilities of food provisioning. In no way does it encroach on other strategies, since it functions in open oceanic territories.

THE SEARCH FOR A COMMON DENOMINATOR TO MEASURE THE BASIC FOOD REQUIREMENTS OF ALL MEN

Fully adequate diets for everyone, abundant crops regulated according to data; statistics, diagrams and experiments in collective feedings - everything necessary to formulate an exact indication and arrive at a

new measurement unit which will establish man's minimum nutritional needs in biological terms.

This is a forbidding problem in its human aspects, which cries out for immediate solution, yet in vain does it confront an over-fed Western world where morality lies dormant. Such an outrageous lack of will can only be attributed to a benumbed collective conscience. Meanwhile, among all the problems besetting the world today, the problem of basic needs is, relatively speaking, the simplest to resolve.

I therefore recommend that the FAO draw its conclusions from the foregoing.

Roberto Bartoli
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43100 Parma - Italy
tel 30892

A REPORT ON THE ON-GOING SURVEY AND CRITIQUE OF FUTURES COURSES AT UNIVERSITY LEVEL, 1970-1974

by H Wentworth Eldredge, Department of Sociology, Dartmouth College, Hanover, New Hampshire 03755, USA

Having carried on this activity for six years as an avocation and published reports in 1970, 1972, and 1974 (see publication record attached), I have naturally become highly ego-involved. These reports appear to have been useful to a considerable number of people all over the world (150 requests for the Mark III report now on file). The Mark I and Mark II iterations were funded (for out-of-pocket costs) by Dartmouth College, and Mark III generously by the World Institute Council of New York to cover both time-on-the-job and expenses. However, research and writing in my vocational field, urban studies, is taking more and more of my time. *World Capitals, Toward Guided Urbanization and Urbanism*, in press at Doubleday, a revision of *Taming Megalopolis* already starting up, and *Societal Space, The Behavioral Basis of Urban Planning* projected to begin this coming spring.

Thus I would like to place my files containing folders on 500-plus futures courses in the good hands of a skilled researcher, a university or an institute (or some combination of the three) able to carry on this activity at the same (or higher computerized) level. To this end I wish to offer the files at a fair estimate of their value in costs and labor (comprising about six standard filing drawers) plus my willingness to serve as consultant (if desired) at the government-level consultant fee, plus travel and local expenses to get the project airborne. In addition, there is a card file of well over 1000 futurist teachers, technological forecasters, etc. Answers are still coming in from the Mark III iteration questionnaire, which officially ended last summer, and hardly a week passes without several enquiries for me to answer from potential (or established) futures instructors, futures students, and government agencies. It would be a great shame to have this project 'slowly fade away' with the inestimable and unique resources available.

Jay Mendell's prescriptions for anticipatory social and technological intelligence

- 1) Master the methods of forecasting, planning and decision making. But don't use them to nail a squishy-soft factor to the wall.
- 2) Learn how to use change-agents and change informants—persons and publications who can inform you of the environmental trends and events because they have special knowledge or first-hand experience, or because they are making things happen. This is the most efficient way to monitor signals.
- 3) Acquire a broad knowledge of social, technological, economic and political factors, beyond what you already think is pertinent to your business.

To evaluate properly the significance of "soft data", you must master methods, learn to use change agents and acquire a broad knowledge in diverse fields. This is harder work than using forecasting tools alone, hence "soft is harder".

(Further information Jay Mendell, Florida International University, Tamiami Trail, Miami, Florida 33144, USA, tel 305/223-2300)

To

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