The Special World Conference on Futures Research, with "Human needs – new societies – supportive technologies" as its theme, ended its work on September 30. Approximately 150 conferees from 40 countries, including many developing and socialist European countries, took part.

For the first time, many diverse ideologies and "needs" met in a confrontation, which provoked inevitable difficulties, but also resulted in enriching rewards.

In its long preparation, the Conference proposed these objectives:

- to enlighten all experts and specialists concerning the future, not on the future itself,
- to promote an encounter with persons speaking for needs which differ from Western needs,
- to promote interest in futures studies in Italy,
- to arrive at least at an initial indication of workable operational priorities which are definitely capable of implementing ideas.

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<td>aims, intentions, activities of groups</td>
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</table>
|        | 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 |
|        | Future Forum |
The following results were at least partially achieved:

the difficulties of a sound orientation towards the future as the broadest possibility of options, hence of change (self-critical in this meaning), were acknowledged,

the shock caused by the differences in needs stated, not merely read, in the groups of futures experts, was a development of particular importance,

Italian public opinion was stimulated by over 100 press reports published in over 55 Italian newspapers, and by the meeting of some 150 futures experts with the public, which served to increase individual concern in many persons of various social levels.

the psychological difficulty was observed in concretely adopting many excellent ideas concerning the future, arising from the attitude that "it is better to stay with what we know than seek out what we don't know." While the Conference made one, or perhaps five, steps forward, much progress remains to be achieved in futures studies. But the important thing is to have realized that there are many of us involved in the question of the future, and that we must all take part in deciding the future of man.

These are the first general indications, but not on the contents, which will be clarified by the publications to emerge from the work of the Conference.

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**ORGANIZATIONS**

aims, intentions, activities of groups

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**HAWAII CHAPTER, WORLD FUTURE SOCIETY**

Formally established in April 1971

The purpose of the World Future Society is "to contribute to a reasoned awareness of the future and the importance of its study, to advance responsible and serious investigations of the future, to promote the development of methods for the study of the future, to increase public understanding of future oriented studies, and to facilitate communication and cooperation among organizations and individuals interested in studying or planning for the future."

According to the March 1972 WFS roster, Hawaii has 99 individual members and 26 organizational members.

Coordinator: Richard Barber, Program Chair, Walter Strede, Membership: Christ Zivlich, Secretary—Treasurer: Al Kearney

(Information from The Future and Where It's At in Hawaii, by Richard J. Barber, Social Science Research Institute, University of Hawaii, Honolulu, Hawaii, p. 4)

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**HAWAII'S FUTURE**

A citizens' group was formed immediately after the Conference. They plan on a number of individuals, about 50, to make certain that the momentum of the Conference would not be lost.

Contact: Dobbie Coombs

(Information from The Future and Where It's At in Hawaii, by Richard J. Barber, Social Science Research Institute, University of Hawaii, Honolulu, Hawaii, p. 4)

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**A PROPOSAL FOR A CENTRE IN THE NORTH OF ENGLAND**

TO UNDERTAKE AND STIMULATE STUDIES OF THE FUTURE

has been made by Roland Chaplain, Peter Nokes, and Peter Stead, who have organized a meeting open to anyone interested in establishing such a Centre, to be held at the University Centre, 10 Morn-
The Center will have the following aims to act as a catalyst towards the introduction in education and training at all levels of a perspective that consciously prepares people for personal responsibility in creating the future, to undertake research and experimentation which is multi-level in nature, bringing together specialists from the arts, sciences and social sciences, technologists and people from industry (management, union and workers) and government, also young people of all abilities, to try to understand how, in an increasingly complex society, communications among specialists and the other people can be made more effective so that informed participation of all who wish it can be realized, to provide a forum through which creative thinkers on the future can test their inventions, ideas and alternatives. The plan of action should be to establish a resource centre in a specific location, to obtain and display films, tapes, drama, etc., the latest thinking and information on alternative sources of energy, ways to combat pollution desirable sizes and structures for societies and production processes, religious spiritual experiments and unexplained phenomena, to provide information on where other future-oriented material is available and study is being undertaken, with particular reference to the needs of people living in the North of England. Undertake the evaluations of the social impacts and risks involved with new technologies, survival-type problems which are potentially the concern of everybody population to monitor the effectiveness of and barriers to people playing an increasing part in planning, assist existing groups organizations to run conferences on future-oriented problems.
ORGANISATIONS

aims, intentions, activities of groups

is interested in social and technological forecasting, with activities in study and research which will lead in part from studies already done by the Unit in developing the method of technology assessment. Using a mixed team of social and natural scientists, the programme of studies and research will identify and develop those methods of forecasting which enable better informed choices and decisions to be made, by the systematic display of alternative futures.

The staff cooperates with Helmut Kranch, of the Studien-gruppe für Systemforschung, for the review Research Policy, edited by C Freeman, J.C. Sinclair, R Coenen and H Krauch The Institute works also on short-term prospects and consultancy undertaken by various members of the Unit.

Specific Research currently under way

1) Social and Technological Alternatives for the Future
   (the team at present working full-time on the forecasting programme consists of K R Pavitt, T C Sinclair, H S Cole and R W Page)
2) World Population, Environment and Resources
3) Strategic Development Affecting the Long-Term Energy Situation
4) Human Life and Safety in Relation to Technical Change
5) The Future of Communication
6) Futurist Thought
7) Bibliographic Review of Social and Technological Change Theory
8) Prediction, Forecasting and Futures Research in Democracy

Periodical publication Research Policy
Chairman Prof Asa Briggs
Director Prof Christopher Freeman
Deputy Director Dr Geoffrey Oldham
Secretary Mrs Jacqueline Fuller

(Further information SPRU, Nuffield Boulding, University of Sussex, FALMER Brighthon, Sussex, BN1, 9RF Brighthon, England, tel (0273)688758)

SECRETARIAT FOR FUTURE STUDIES
Recently established (1973), subordinated to the Prime Minister’s Office of Sweden
Chief of the Secretariat is Professor Lars Ingelstam
(Further information Handelsdepartement, Fack, 103 20 Stockholm 16, Sweden)

SELSKAPET FOR FREMTIDSSTUDIER (Seftrem)
Norwegian Society for Future Studies
Established October 18, 1972
President Mr Svein Dalen, Managing Director Norwegian Productivity Institute
Director Mr Odd T Grande, Ph D
The tasks of Seftrem are
- to produce and exchange information on futures studies and to make results from such studies generally known and discussed,
- to facilitate contacts among members and among the members and other institutions and persons engaged futures studies,
- to initiate and organize conferences and seminars,
- to initiate and participate in study projects with members expressing interest in a special field of studies
(Further information Seftrem, P O Box 8401, Hammersborg, Oslo 1, Norway)

SENECA COLLEGE OF APPLIED ARTS AND TECHNOLOGY
Recognizing its responsibilities to promote international cooperation, Seneca College has established a Centre for International Programs to help diffuse the benefits of achievements internationally, enhance sensitivity to foreign cultures and alien environments, and arouse concern over the dangers of uncontrolled exploitation of international resources and environment
The Centre for International Programs at Seneca College has established five key objectives to
— offer diploma and certificate courses in international business through the College’s Business Division,
— sponsor seminars and conferences on matters of International concern, such as international trade, pollution control population problems and community welfare,
— promote exchanges of students and faculty with similar colleges a broad and negotiate mutual recognition of course credits in cooperation with Seneca’s Director of Mobile Learning Programs,
— conduct transfers of technology workshops to identify obstacles and problems in the international transfer of technology, and to develop feasible solutions by adapting machines and know-how for application elsewhere,
— develop collaborative arrangements with colleges and other institutions abroad, in cooperation with the Director of Mobile Learning Programs

(Further information Ranjit Kumar Director, Centre for International Programs, Seneca College of Applied Arts and Technology, 1750 Finch Avenue East, Willowdale, Ontario, Telephone (416) 491-5050)

ARCHIBALD J. BAHM
Teaching and research, professor of philosophy
Permanent staff member off University of New Mexico, Professor Emeritus in the process of establishing an Institute for Philosophy Research and Development

(Further information University of New Mexico, Dept of Philosophy, Albuquerque, New Mexico 87106 (USA))

JOHN B. CALHOUN
Research psychologist experimental animal population research, environmental design, human evolution
Permanent staff member of National Institute of Mental Health

Section on Behavioral Systems, Laboratory of Brain evolution and Behavior, National Institute of Mental Health, Education and Welfare, Bldg 110, Nihac, 9000 Rockville Pike, Maryland 20001 USA

ALEXANDER CHRISTAKIS
Academy Associate, The Academy of Contemporany Problems

Sam Cole
Researcher, Futures Research
Permanent staff member of Sussex University, Science Policy Research Unit

Further information: University of Sussex, Science Policy Research Unit, Nuffield Building, Falmer, Sussex BN1 9RF, Brighton, England, tel 688758

Emilio Fontela
Economist, Director, Applied Economic Department, Battelle

Further information: Battelle Institute, 7 Route de Drize, 1227 Carouge, Geneva, Switzerland

I Samir Ghabbour
Department of Natural Resources (Animal Ecology — Physiology — Biogeography), Management of Natural Resources
Permanent Staff member of Cairo Institute of African Research and Studies

(Further information 33 Misahe St Dokki, Giza, Egypt tel 980789)

ERZSBET GIDAI
University Professor Prognostic, social prognostic
Permanent staff member of MTA Research Group for Prognostic
Recent published works “Zukunftsforschung und Prognosen”, Fundamental elements of economic prognostic

(Further information Semmelweis University Budapest, Budapest, IX Hogyes E u 5-7, Hungary, tel 336125)

EDWARD GOLDSMITH
Editor, the Ecologist

(Further information "Ecologist", Catesby, 73, Molesworth Street, Wadebridge, Cornwall, PL 27 7DS, England, tel 2996/7)

ODD GRANDE
Director, Norwegian Society for Future Studies

(Further information Norwegian Society for Future Studies, Box 8401, Hammersborg, Oslo 1, Norway)

MARIA KOSZEGY
works in the Research Institute for World Economy, of the Hungarian Academy of Sciences

Academy of Sciences This Institute studies different world problems and compares the economies of the developed and under developed, socialist and capitalist countries to 1990
Permanent staff member of Research Institute for World Economy, Hungarian Academy of Sciences

MICHAEL MARIEN
Formerly with the Educational Policy Research Center, Syracuse, N Y currently Project Director of the World Institute, 777 United Nations Plaza, New York, N Y 10017
Information from vol III, 1, February, p 15

(Further information M Marien, Webster Road, LaFayette, N Y 13084, USA)

CANDIDO MENDES DE ALMEIDA
Professor, president, conjunto Universidady Candido Mendes

(Further information Conjunto Universitario Candido Mendes, Sociedade Brasileira de Instrucao, Praça 15 de Novembro 101, Rio de Janeiro, Brazil)

JOHANN MILLENDORFER
Research Director, studies of societal development
Permanent staff member of Austrian Research Institute for Development, Chamber of Commerce

(Further information Österreichische Forschungsführung fur Entwicklung (Austrian Research Institute for Development), Turkenstrasse 3, 1090 Vienna, Austria, tel 0222/340151)

GOPAL S PURI
Formerly Director, Central Botanical Laboratory, Government of India, Allahabad, India, Professor and Head, Department of Agricultural Botany, University of Science and Technology, Kumasi, Ghana, Technical Secretary, Indian Council of Ecological Research, Dehradun, India, General Secretary, International Society of Tropical Ecology, Hon Consultant, UNESCO, Humid Tropics Programme
Now Researcher and lecturer on human ecology, application of the science of yoga relaxation for the cure of depression, tension, asthma, psychosis, neurosis and mental disorders
(please see the Research Section for further details on Prof Purri's activities)

(Further information G S Purri, Liverpool Polytechnic, Byron Street Liverpool, England)

GORDON RATTRAY TAYLOR
Author, researcher


(Further information The Hall, Freshford, Bath BA36EJ Som, England, tel Limpley Stoke 2522)

J K ZARNEY
Macro-economist Coordination Secretary of the Secretariat of the Hungarian Academy of Sciences
Permanent staff member of Hungarian Academy of Sciences
Previously worked at the Institute of Agricultural Economy Has contributed to studies on the comparative development of the Bulgarian country and on the middle-range agricultural plan of Hungary
CANADIAN BUSINESS IN THE WORLD COMMUNITY LIVING IN THE WORLD COMMUNITY
April 26-27, 1973
Place Seneca College, Ontario, Canada
(Further information Centre for International Programs Seneca College of Applied Arts and Technology, 1750 Finch Avenue East, Willowdale, Ontario, Canada)

COMMUNICATION MEDIA AND THE FUTURE OF HIGHER EDUCATION
International Symposium Stuttgart, November 3rd and 4th 1973
Higher education must undergo far-reaching transformations in an era in which all education is faced with profound and urgent challenges so that it may respond to the changes in society, the democratic aspiration of the people and the need for lifelong education. What is the role and contribution of the communication media to this transformation? This is the topic for an International Symposium of specialists in the fields of communication and higher education to be convened in Stuttgart, Federal Republic of Germany, on November 2-4, 1973. Convened under the scientific chairmanship of Dr. Henry R. Cassirer, formerly Director of mass Media in Education, UNESCO, the Symposium is being organized by the Deutsche Verlags-Anstalt GmbH in cooperation with the International Association for the Promotion of the World University, with the support of the Deutsche UNESCO Kommission, and in consultation with the Division of Higher Education and the Department of Free Flow of Information and the Development of Communication, UNESCO, as well as the Secretariats of the International Association of Universities and the International Association for Mass Communication Research.
(Further information Deutsche Verlags-Anstalt GmbH 7000 Stuttgart 1, Postfach 209, tel 0711/2151, telex 06-22503)
FROM HERE TO 2000 A.D CHALLENGES & RESPONSES FOR THE WESTERN WORLD
Date July 24 August 3
Place Oxford
Organizer The European Atlantic Movement (T E A M), with the support of the IBRD, OECD, NATO, the Council of Europe, the European Community, and EFTA
Venue St Edmund Hall
Aim to observe the contemporary human situation, economic and ecological, educational and cultural, moral and social, political, scientific and technological, as a stimulus to action, and to promote the cross-fertilization of ideas among forward-thinking people.
Content and relevance Conference procedure will embrace about a dozen major addresses by national and international figures, plus seminars and tutorial groups. Throughout the Conference, two questions will be of equal concern: "What may our world be like in 1979-89-99?" and "What can and should we be doing about in now?"
(Further information The European-Atlantic Movement (T E A M), 7 Cathedral Close, Exeter Devon EX1 1EX, England)

FUTUROLOGY II
Place College of Mount St Joseph, Ohio
Date June 10-13, 1973
Organizers College of Mount St Joseph
Papers and speakers James F Ahren, David Brinkley, Reid Buckley, Agnes Demille, René Dubos, John L Hazard, Hail Hellman, Max Lerner, John McHale, Edward C Pandorf, William E Potter, George Shields, Robert Theobald
Information from The Futurist, Vol VII, 1, February 1973, p 35
(Further information College Mount St Joseph, Futurology II, Sociology Dept B, Mount St Joseph, Ohio 45051)

NATIONAL CONFERENCE ON ORIENTATION AND SCHOLASTIC PSYCHOLOGY PROBLEMS
Sponsor Centro di orientamento scolastico e professionale del Consorzio provinciale per l’istruzione tecnica di Pesaro (Centre of Scholastic and Professional Orientation of Provincial Society for Technical Education, Pesaro)
Date and place 26-29 September 1973 – Sala Teatro (Theatre hall) "P Damiani" via Napoli, 38, Pesaro
(Further information Secretariat V del Governatore, 11, 61100 Pesaro, Italy (tel (0721) 30332)

NEW YORK UNIVERSITY EXPERIMENTAL WORKSHOP PLAYERS
on a giant checker-board have played a futuristic game as part of alternative futures, a dramatic projection of two life-styles, isolationism and communalism
John Jex, World Future Society member, produced and directed the pro-
EVENTS
meetings, courses, lectures, exhibitions etc

grams Her husband William wrote the play
Information from The Futurist Vol VII, 12, February, 1973, p 1
(Further information Joan and William Jex, 110 Bleecker St, Apt 21 F, New York, NY 10012)

SCENARIO PER L’EUROPA (Scenario for Europe)
Sponsor Centro italiano di formazione europea (Italian Centre of European Training)
Place Palazzetto Venezia, Piazza San Marco, 3, Rome
(Further information Centro Italiano di Formazione Europea, Via della Ferratel la 41, Roma)

THE VULNERABILITY OF OUR ADVANCED TECHNOLOGICAL SOCIETY
Second Announcement of the 5th General SAINT Conference
Date 15th - 19th September 1973
Place Schloss Leopoldsbronn, Salzburg, Austria
Conference theme
- Is our technology too big, too inflexible?
- What would an alternative technology look like?
- To what extent can dissenting groups disrupt our technosystem?
- How does technology relate to the counter-culture?
- Do other cultures have more intelligent ways of approaching technology?
(Further information Louis Turner, RIIA, Chatham House, 10 St James Square, London SW1Y 4LE)

LIFEBOAT WORKSHOP ON ECOVILLAGES
All persons who participated in the Rome Special World Conference on Futures Research as well our readers are cordially invited by Herrn Repenning and Peter Menke Glukert to join the “Lifeboat Workshop on Ecovillages”, to be held in the autumn of 1974 in Heidelberg, Germany. The workshop will be sponsored by the Deutsche Gesellschaft fur Zukunftsfragen
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<td>1973</td>
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<td>July 24-Aug 3</td>
<td>From Here to 2000 A D Challenges and Responses for the Western World</td>
<td>Oxford (England)</td>
<td>The European Atlantic Movement (TEAM) with the support of IBRD, OECD, NATO</td>
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<td>August</td>
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<td>EFTA Council of Europe, European Community</td>
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<td>13 - 18</td>
<td>The Evaluation Problems in Scientific Education and the Use of Educational Technologies</td>
<td>Jerusalem (Israel)</td>
<td>Asian Association for Biological Education (AABE) with the cooperation of the World Institute of the Afro-Asian House, of the Centre for Educational Technology of Israel, of AMOS de Shalit Science Teaching Centre and the Hebrew University of Jerusalem</td>
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<td>26 30</td>
<td>The Contemporary Metamorphosis of Religion?</td>
<td>The Hague (The Netherlands)</td>
<td>CISR</td>
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<td>27 31st</td>
<td>Eighty-First Annual Convention of the American Psychological Association</td>
<td>Montreal (Canada)</td>
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<td>27 - 31</td>
<td>Development of Production Systems</td>
<td>Copenhagen (Denmark)</td>
<td>International Conference on Production Research, The Technical University of Denmark</td>
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<td>The Design Activity International Conference</td>
<td>London (England)</td>
<td>Design Research Society, U.K., Design Methods Group, USA</td>
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<td>Nationalism, Technology and Development, VIIIth Regional Conference of the Pan American Committee of the CIOS</td>
<td>Caracas (Venezuela)</td>
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<td>3rd International Congress on Architecture and the Arts</td>
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<td>Interfaith Research Centre on Religious Architecture</td>
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<td>13 - 16</td>
<td>6th Conference on International Problems, International Perspectives for Tomorrow's School</td>
<td>Recoaro Terme (Italy)</td>
<td>Centro Studi Nicolo Rezzara’</td>
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<td>15 - 19</td>
<td>The Vulnerability of Our Advanced Technological Society, 5th General SAINT Conference</td>
<td>Schloss Leopoldskron Salzburg, (Austria)</td>
<td>SAINT</td>
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<td>25 - 30</td>
<td>Human Needs, New Societies, Supportive Technologies</td>
<td>Rome (Italy)</td>
<td>Continuing Committee for World Futures Research and IRADES</td>
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<td>26 - 29</td>
<td>National Conference on Orientation and School Psychology Problems</td>
<td>Pesaro (Italy)</td>
<td>Centro di orientamento scolastico e professionale dei Consorzio provinciale per l'istruzione tecnica di Pesaro</td>
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<td>October</td>
<td>Nuclear Plants in Europe yesterday, today, tomorrow, Vth Conference of Nuclear Industry</td>
<td>Florence (Italy)</td>
<td>Forum Atomique Europeen FORATOM</td>
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<td>November</td>
<td>Communication Media and the Future of Higher Education</td>
<td>Stuttgart (Germany)</td>
<td>Deutsche Verlags-Anstalt GmbH, in cooperation with the International Association for the Promotion of the World University, with the support of the Deutsche UNESCO Kommission</td>
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<td>1973 or 1974</td>
<td>Professions of the Future and the Future of Professions</td>
<td>Berlin (Germany)</td>
<td>Zentrum Berlin fur Zukunfts-orschung EV ZBZ</td>
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<td>The Application of Automation and Computer Techniques for Planning and Management of River Basins and Other Hydrological Systems</td>
<td>USA</td>
<td>UN/ECE/ Economic Commission on Water Problems</td>
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<td>August</td>
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<td>19 - 30</td>
<td>3rd World Conference on Population</td>
<td>New York (USA)</td>
<td>United Nations Department of Economic and Social Affairs</td>
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ALTERNATE POSSIBLE URBAN FUTURES
by H. Wentworth Eldredge
adapted from Chapter 16 in his forthcoming book “World Capitals Toward Guided Urbanization and Urbanism” (working title), to be published by Doubleday and Company, New York, 1974 Dartmouth College supported his research
This work was prepared for the ISTA Conference, the Hague, May 27 - June 2, 1973

CURRENT PROJECTS OF THE “INSTITUTE FOR THE FUTURE”
These projects include, among others
- A Policy-Formulation Interrogation Network this research aims at developing an interactive computerized process to replace conventional questionnaire techniques. An investigator defines his topic, selects a panel of experts to participate in the inquiry, and perhaps formulates specific questions. He then feeds the preliminary information into a computer and arranges for each expert to establish communications with the computer system via a computer terminal convenient to him. The computer system then conveys questions, answers, and other information to and from each expert individually. The computer tabulates information gathered at each step of the inquiry.
- Multi-client Look-Out Service this is the first of a series of multi-client research projects to assist industry in its long range planning. Four companies—Du Pont, Lever Brothers, Monsanto, and Scott Paper—are being helped to identify, track and assess the major areas of societal, technological, economic, and regulatory changes likely to exert a notable impact on their future development.
- Remote Conferencing Network (Recon) the Institute is exploring a modified Robert’s Rules of Order procedure which can handle
"shades of gray" decisions, replacing the either or options normally associated with Robert's Rules. Researchers are also studying ways to present group opinions in a rapid graphical format so as, to protect the anonymity of respondents. The system is to be used in technology forecasting, technology assessment, and group problem solving.

_Societal Impact of Computers_ the Institute plans to hold four workshops to assist the U.S. National Science Foundation in formulating a program of research aimed at improving man's understanding of the social impacts of computers. The workshops will cover four major areas: (1) perceptions, attitudes, and "literacy" regarding the computer, (2) computers and financial processes, (3) computer modeling as an aid to decision making, and (4) computers and individual access.

Information from The Futurist, Vol VII, 3, June 1973, p 126

**ENVISIONING THE FUTURE INDUSTRIAL STRUCTURE**

by MITI, Information Office, July 24, 1973, no 73-31

In May 1971, the Industrial Structure Council, an advisory organ to the Ministry of International Trade and Industry, in an interim report to the Ministry, recommended a course on the "knowledge intensification of the industrial structure." Today, enactment of this recommendation is being demanded even more urgently as a result of changes which have occurred since then in the domestic and external situation, i.e., the tightening world-wide supply and demand for resources and energy, intensified international friction as observed in the world monetary system, trade and the like; accentuated environmental problems, etc.

In order to establish a policy to formulate a specific concept for the knowledge intensification of the industrial structure as well as for its realization, the Industrial Structure Council has been earnestly studying the matter through deliberations in each of its committees. The

**RESULTS** are an outline of the Council's thoughts concerning a series of its projects.

**THE EVOLUTION OF THE COOPERATORS' UNIVERSE**

The Cooperators' aim is to induce Earth intelligence to look ahead with due respect for past experience, to foresee the difficulties into which evolution may be leading the world. Already many ways have been found of influencing the course of Nature's evolution, and there are many more still to be found in both universes. There is nothing static in the evolution of either one. Some very powerful forces have been formed out of primordial energy, and their control is essentially for man's survival.

(Further information: "The cooperators' of the Laucks Foundation, Irving F. Lauck, President, 226 East Canon Perdido, Santa Barbara, California 93103)

**HUMAN ECOLOGY (The 1973 Research Report of the Department of Biology)**

by Gopal S. Purk.

The machine is the powerful factor in the environment of man that has been provoked by the environmental impact on man and society through world-wide technological developments. The grave world problems, such as pollution, food production, technology, etc., create tensions (political, social, cultural and religious) on the global scale in the developed world, the communist world and the developing world. The greatest problem today is the interpretation of new knowledge on both the adult and children's levels.

The approach is interdisciplinary. Furthermore a new practical technique has been developed to increase mental resources and physical
energy in persons living under conditions of great stress
Information from "The Lamp", Vol 1, Number 6, June 1973
(Further information Gopal S Puri, Liverpool Polytechnic, Byron Street, Liverpool, U.K.)

THE LIMITS OF TRADITIONAL ECONOMICS
New models for managing a "Steady State Economy"
by Hazel Henderson
(Further information Hazel Henderson, 60 Hodge Rd., Princeton, N.J. 08540)

PROBLEM-POSSIBILITY FOCUSER ON EDUCATION
Problem-possibility focusers are a new type of document. They are based on a fundamental belief that we are moving from the industrial era into a new era which might be called the communications or cooperative era. (For a discussion of the implications of this reality see Problem-Possibility Focuser on the Future, available from Swallow Press, 1139 S Wabash Avenue, Chicago, Illinois 60605)
These documents are not designed to be sophisticated attempts to simplify the issues which we must consider as we move into the communications era. These documents also reflect the fact that we have only recently begun to understand the nature of the communications era. They are not designed to set down the views of a single person but rather to state the best current thinking on the area under discussion - in this case education. A document on current agreements and disagreements is sent with other documents.

The structure of global survival, by John Platt
America's Third Century Breakdown or Renaissance, by Robert Theobald
Three Scenarios, taken from 'The Future of Social Selection', by Michael Marien
Planning amid forces for institutional change, by Willis W. Harman
(Further information Futures Conditional, Box 1531, Wickenburg, Arizona 85398, USA)

SOCIAL TRAPS
by John Platt, "A new area of study is the field that some of us are beginning to call social traps. The term refers to situations in society that contain traps formally like a fish trap, where men or organizations or whole societies get themselves started in some direction or some set of relationships that later prove to be unpleasant or lethal and that they see no easy way to back out of or to avoid."
(Further information John Platt Center for Advanced Study in the Behavioral Sciences, 202 Junipero Serra Boulevard, Stanford, California 94305)
Arthur G Clarke  PROFILES OF THE FUTURE
An 'inquiry into the Limits of the Possible ©vised edition, 1973, pp 239
Information from The Futurist, 2 April 1973, pag 90, 11 October 1973

COMMUNITY PARTICIPATION IN CITY DECISION MAKING
by Simon Nicholson and Barbara Katharine Schreiner
published by The Open University Press (Milton Keynes), June 1973
A new and holistic view of the design process, and the ways in which
the environment may be built. The book is divided into 10 major sections
- Architecture is in a state of flux
- A definition of community
- The theory of loose parts
- Design is behaviour
- Education and awareness
- Information and Communications
- Continuous Evaluation
- The catalyst theory
- Polyculture
- Project
The book, Unit 22 of the DT 201 'Urban Development course and its
supplementary materials and audio-visual handbook may be obtained
from the Director of Marketing, The Open University, The Mount, Simp-
son, Milton Keynes, England

(Further information Simon Nicholson Faculty of Technology, The Open Univer-
sity, Walton Hall, Milton Keynes, MK7 6AA, England)

ENERGY POLICY THE ECONOMICS AND PLANNING OF ENERGY
This quarterly deals with the economics and planning of the production,
conversion and use of energy.
Commencing June 1973
One year's subscription (4 issues) Lst 14 00
Information from “Futures”, vol 5,1, Feb 1973

(Further information IPC Science and Technology Press, Limited, IPC House, 32 High Street, Guildford, Surrey, England)

HUMAN ECOLOGY

The booklet deals with the stress and tension of life in the urban-industrial society which causes a number of psycho-somatic and nervous disorders in people. Executives, students, doctors, clergymen, housewives, workers, etc., are all affected by this growing phenomenon. Increasing leisure is another affliction, bringing loneliness, it encourages smoking, drinking and drug addiction, unhealthy habits which, in turn, lead directly to ulcers, cancer and bronchitis. In its second part, the booklet explains methods of relieving tension through religion, with examples cited from all world religions to show how the lonely can find solace in philosophy and spiritual matters. The booklet demonstrates the methods by which one can achieve relaxation and peace of mind through yogic techniques of breath control and sense withdrawal. Case histories illustrating how people have recovered through these techniques, are cited.

(Further information Prof G S Puri, Liverpool Polytechnic, Byron Street, Liverpool, England)

SCHOOLING UP FOR A FUTURE WITH THE FUTURISTS
Media and Methods (March 1973) pp 26-29, by Dennis Livingston
Contains suggestions for starting futures courses and an extensive list of futuristic educational resources

SCIENCE FICTION TAUGHT AS FUTUROLOGY
Extrapolation (May 1973) pp 152-156, by Dennis Livingston
Contains suggestions on teaching science fiction from a social science/futuristic perspective

(Further information Dennis Livingston, 2640 Dartmoor Rd., Cleveland Hts., Ohio 44118, USA)

SCIENCE FICTION STUDIES
is a new scholarly journal, available from Department of English, Indiana State University, Terre Haute, Indiana 47809, USA
Edited by science fiction scholars R.D. Mullen, of Indiana State, and Darko Suvin, of McGill

TECHNOLOGICAL BREAKTHROUGHS AND WIDESPREAD APPLICATION OF SIGNIFICANT TECHNICAL DEVELOPMENTS
This is a survey of possible future technological developments. Experts in approximately 150 private firms and government research agencies responded with their estimate of the year when technological developments would 1) occur, 2) be commercially introduced, 3) be widely used
Information from The Futurist, Col VII, 2, April 1973, pag 83
Future Forum was set up by IRADES as an exchange of ideas on the future. To this end, IRADES offers its services to encourage direct meetings between individuals, and proposes its Rome headquarters as a centre for futures experts and students in need of a Rome postal address, a meeting room, a library in formation on Italian futures studies, etc., within the limits of its possibilities.
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