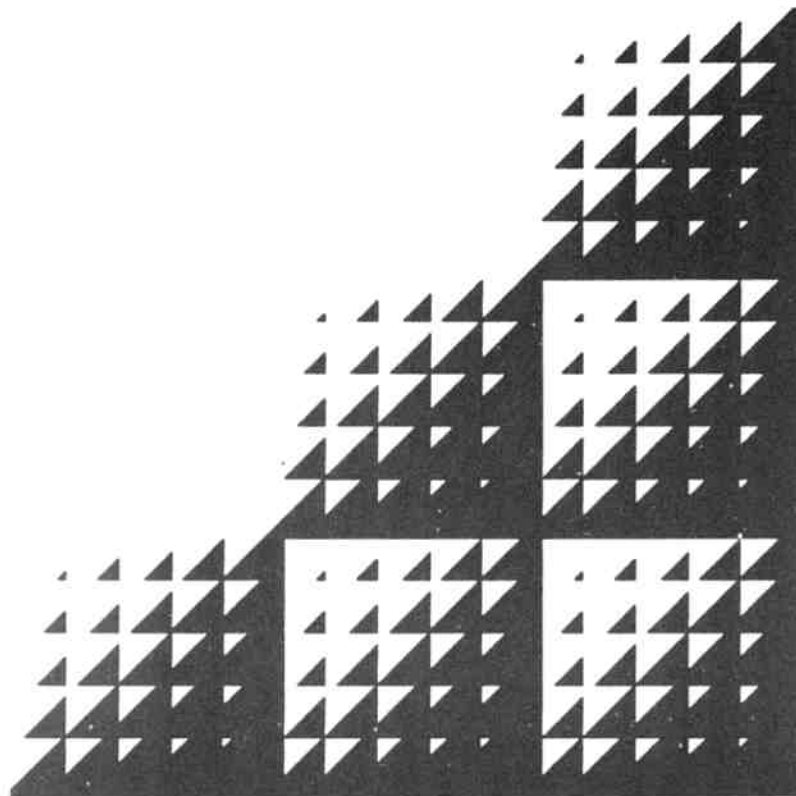


HUMAN ECOLOGY:
STRATEGIES
for the **FUTURE**

1990 Conference presented by
The Society for Human Ecology

April 20-22, 1990

Kellogg Center
Michigan State University
East Lansing



Conference Presented By

THE SOCIETY FOR HUMAN ECOLOGY

in cooperation with

College of Human Ecology, Michigan State University

Department of Family and Child Ecology

Department of Food Science and Human Nutrition

Department of Human Environment and Design

Human Ecology College Alumni Association

Human Ecology Lifelong Education

Office of the Dean

with support from

The MSU Museum

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Executive Board, Society for Human Ecology

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Washington State University

M. Suzanne Sontag, First Vice President
1990 Conference Chair
Michigan State University

Scott Wright, Second Vice President
1990 Program Co-chair
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Jenny Bond, Food Science and Human Nutrition
Martha Brownscombe, MSU Museum

Margaret Bubolz, Family and Child Ecology

Peter Golia, Family and Child Ecology

Robert Griffiore, Family and Child Ecology

Dennis Keefe, Family and Child Ecology

Linda Nelson, Family and Child Ecology

Jean Schlater, Family and Child Ecology

M. Suzanne Sontag, Human Environment and Design

Edith Wright, Lifelong Education

CONFERENCE PROGRAM

THE SOCIETY FOR HUMAN ECOLOGY

APRIL 20-22, 1990

MICHIGAN STATE UNIVERSITY

EAST LANSING

Artwork designed by:

*Yousri Ali
Department of Human Environment and Design
Michigan State University*

HUMAN ECOLOGY: STRATEGIES FOR THE FUTURE

The Society for Human Ecology

April 20-22, 1990

Program Overview

Pre-conference Activities

Thursday, April 19, 1990

6-8:00 p.m. Reception and Exhibit: Progressions '90 (Interior Design Student Work) - MSU Museum

Conference Agenda

Friday, April 20, 1990

7:00 a.m. Interest Group Leaders' and Recorders' Breakfast
8:00 Registration - Kellogg Center Conference Desk - Main Lobby
8:00 Continental Breakfast
8:45 Opening Session
Greetings - Gerald Young, President, Society for Human Ecology
Welcoming Remarks:
 Julia Miller, Dean, College of Human Ecology, MSU
 David Scott, Provost, MSU
Orientation - Edith Wright, Conference Consultant
Invited Speaker - Lester Milbrath - Envisioning a Sustainable Society: A Social Learning Approach
10:30-3:30 Computer Demonstrations for Education, Research, and Networking
10:45 Concurrent Sessions I
12:30 p.m. Luncheon
Gerald Young - Society for Human Ecology Presidential Address
1:45 Interest Group Working Sessions
3:45 Concurrent Sessions II
5:30 Reception - hosted by Dean Julia Miller
6:30 Dinner & Reports from Representatives of International Organizations
8:30 Council of Representatives Meeting

Saturday, April 21, 1990

7:30 a.m. Meeting of Fellows of the Institute for Human Ecology
8:00 Registration - Kellogg Center Conference Desk - Main Lobby
Continental Breakfast
8:30 General Session - Invited Speaker: Margaret Bubolz - The Family Ecosystem: Macro and Micro Interdependence
10:00 Concurrent Sessions III
11:45 Luncheon & Business Meeting
1:45 Interest Group Working Sessions (Continued)
4:00 General Session - Invited Speaker: Frank Golley - Reasoning from Ecological Knowledge to Problem Solving
6:00 Joint (Outgoing and Incoming) Executive Board Meeting
Dinner on your own

Sunday, April 22, 1990

7:30 a.m. Incoming Executive Board Meeting
8:00 Continental Breakfast
9:00 Panel Discussion - The Greenhouse Effect: Strategies from the Perspective of Human Ecology, Deep Ecology, and Biological Ecology
10:45 Report of Interest Groups and Summary
12:00 noon Farewell and Adjournment

HUMAN ECOLOGY: STRATEGIES FOR THE FUTURE

The purpose of the conference is:

To develop strategies for the promotion of a human ecological perspective in interdisciplinary studies and practice.

To encourage and strengthen liaisons and interchange among professionals who wish to develop strategies for the future in the areas of (1) health, (2) education, (3) theoretical issues, (4) applied human ecology, (5) aesthetics and the arts, (6) values and consciousness, and (7) development and global change.

Pre-Conference Activities (for early arrivers)

Thursday, April 19, 1990

6:00 -

8:00 p.m. Reception and Exhibit MSU Museum
Progressions '90 (Interior Design Student Work)

Conference Agenda

Friday, April 20, 1990

7:00 a.m. Interest Group Leaders' and Recorders' Breakfast Galaxy Room

8:00 Registration Kellogg Center Conference Desk - Main Lobby

8:00 Continental Breakfast Room 106

8:45 Opening Session Auditorium

Presider: M. Suzanne Sontag, Michigan State University

Greetings: Gerald Young, President, Society for Human Ecology

Welcoming Remarks:

Julia Miller, Dean, College of Human Ecology,
Michigan State University

David Scott, Provost, Michigan State University

Orientation: Edith Wright, Conference Consultant, Michigan
State University

Envisioning a Sustainable Society: A Social Learning Approach
Lester Milbrath, Director of the Research Program in
Environment and Society, Department of Sociology, State
University of New York at Buffalo

Discussants: Fikret Berkes, Brock University
Thomas Dietz, George Mason University

Questions and Answers

10:30 Break Room 106

10:30-3:30 Computer Demonstrations for Education,
Research, and Networking Room 106

Friday, April 20

10:45 **CONCURRENT SESSIONS I (A-E)**

IA. Symposium: Common Property Resources

Room 110

Paradigms Lost: Changing Views on the Use of Common Property Resources

Fikret Berkes, Institute of Urban and Environmental Studies, Brock University, Ontario

Attitudes Toward Risk and Resource Use Among Vessel Captains in a Multi-species Fishery

Susan Hanna, Department of Agricultural and Resource Economics, Oregon State University

Cooperating Towards Sustainable Resource Use: Edible Seaweed in the Caribbean

Mina Kislalioglu, Department of Biological Sciences, Brock University, Ontario

The Tragedy of the Commons Twenty Years Later

David Feeny, Department of Economics, McMaster University, Ontario

IB. Roundtable: International Networking Strategies

Vista Room

Richard Borden (Coordinator), College of the Atlantic

Zena Daysh, Commonwealth Human Ecology Council, United Kingdom

Francille Firebaugh, Cornell University

Maj-Lis Follér, Gothenburg University, Sweden

Bernhard Glaeser, Science Center Berlin for Social Science Research

Luc Hens, Vrije University of Brussels, Belgium

Kazuhiko Moji, Nagasaki University School of Medicine, Japan

Prem Bahadur Saxena, Garwahl University, India

Dieter Steiner, ETH, Zürich, Switzerland

Tage Sundström, Institute of Physics, University of Umeå, Sweden

IC. Paper Session: Education in Human Ecology

Willy Room

Moderator: Sally L. Taylor, Program in Human Ecology, Connecticut College

Teaching Energy Conservation

Tage Sundström, Institute of Physics, University of Umeå, Sweden

Human Ecology and Education

K. C. Arya, Hindu College, Moradabad U.P. India

The Reflective Environmentalist

Mitchell Thomashow, Environmental Studies, Antioch/New England

SPACES: Preparing Kids for a High Tech and Global Future as an Application in Human Ecology

Christine Nelson and Peter Golia, Department of Family and Child Ecology, Michigan State University

Friday, April 20

10:45 CONCURRENT SESSIONS I (A-E), Continued

ID. Paper Session: Ecology of Health and Human Development I:
Prenatal and Infancy Room 101

Moderator: Jenny Bond, Department of Food Science and Human
Nutrition, Michigan State University

The Effects of Polychlorinated Biphenyls on Human Fetuses and Infants:
An Ecological Analysis

Stirling Johnson, University of Wisconsin-Madison
Ann Stirling Frisch, Malaysian Agricultural University

Perinatal Positive Parenting: A Parent-to-Parent Social Support
Intervention

Robert P. Boger, Department of Family and Child Ecology, Michigan
State University
Lee Anne Roman, Institute for Family and Child Study, Michigan
State University

Psychosocial Factors and Adverse Pregnancy Outcomes

O. Jackson Cole, School of Human Ecology, Howard University

Relationships between Maternal Attitudes Toward Pregnancy and Infant
Behavior

Quida E. Westney, School of Human Ecology, Howard University

Relationship of Family Processes to Family Life Satisfaction in
Stepfamilies and Biological Families During Pregnancy

Mildred A. Omar, College of Nursing, Michigan State University

IE. Paper Session: Environmental Design Room 107

Moderator: Guido Francescato, Department of Housing and Applied
Design, University of Maryland

A Human Ecological Philosophy for Environmental Design

Jacky DeJonge, College of Human Ecology, University of Tennessee -
Knoxville

Perception and Meaning in the Designed Environment

Marilyn DeLong, Department of Design, Housing, and Apparel,
University of Minnesota

Protective Clothing: An Environment Constructed to Reduce Pesticide
Absorption by Lawn Care Applicators

Ann C. Slocum, Department of Human Environment and Design,
Michigan State University

Lois C. Shern, Department of Family and Child Ecology, Michigan
State University

Interior Design and Indoor Air Quality

Katherine Warsco, School of Home Economics, East Carolina
University

Wayfinding in an Educational Facility Comparing Handicapper and Non-
handicapper Perception and Behavior

Roberta L. Kilty-Padgett, Department of Human Environment and
Design, Michigan State University

12:30 p.m. Luncheon - Meet your Interest Group colleagues Red Cedar

Presider: Scott Wright, University of Utah

Presidential Address, Society for Human Ecology
Gerald Young, Washington State University

1:45 **Interest Group Working Sessions**

[There will be a 15 minute break at 2:45 in Room 106]

Health

Willy Room

Leader: John Terry, University of Lowell

Recorder: Maurice Bennink, Michigan State University

During the first session participants will work toward a conceptual clarification of health and ecological wellness. At the second session, participants will develop an action and research agenda based on the arrived upon definition of health and ecological wellness.

Education

Room 101

Leaders: Robert Griffore, Michigan State University

Etta Mooser, College of the Atlantic

Recorder: Linda Nelson, Michigan State University

The general goals are to work toward: 1) developing criteria for human ecology curriculum and evaluation guidelines, 2) defining ecological literacy, and 3) exploring appropriate human ecology methodology. Discussion will focus on curriculum and course syllabi at the K-12 level and at the post-secondary level, as well as adult education, teacher education, environmental education and curriculum evaluation. The focus, in part, will be on group members' own courses and curricula.

Applied Human Ecology

Vista Room

Leader: Jonathan Taylor, U. S. Fisheries and Wildlife Service

Recorder: Donald Straus, College of the Atlantic

Focus will be on resource management at various scales of the environment, ranging from the home to issues at geographical and global levels, including family resources, land resources, and environmental design. Possible conceptual communalities in these topic areas will be distilled following case study presentations by workshop participants.

Theory and Paradigms

Room 107

Leader: Scott Wright, University of Utah
Recorder: Dennis Keefe, Michigan State University

The group will discuss and identify premises and assumptions of human ecology and the role of paradigms in human ecology; to determine how paradigms structure beliefs, values, and practices; to identify dissatisfactions (if any) with traditional paradigms in contributing disciplines; and to identify alternative paradigms associated with human ecology, translate and apply existing theories, and develop new ones. Other goals of the working sessions will focus on deciphering and classifying the diverse terminology inherent within human ecology and establishing "common ground" with other interest groups in SHE.

Development and Global Change

Room 110

Leader: Ernst Gayden, Western Washington University
Recorder: Brenda Sternquist, Michigan State University

The group will focus on: 1) defining "sustainable" development, 2) the role of women in development (esp. Third World), 3) health and nutrition needs for development, and 4) the role of NGO's in development. Short descriptive, analytical or position papers regarding the above issues are welcome to be read or distributed to the group.

Aesthetics and the Arts

Room 108

Leaders: Thomas Dietz, George Mason University
Anne Nordstrom, University of Lowell
Recorder: Sally Helvenston, Michigan State University

The first session will be divided between selected artists and others who will present their interpretations of human ecology as an art form. Drawings, essays, photos, music, dance or any symbolic rendition of human ecology are welcome. The second session will be devoted to open discussion about the meaning of art and aesthetics in human ecology.

Values and Consciousness

Room 102

Leader: Elaine Pedersen, University of Nevada-Reno
Recorder: Jean Schlater, Michigan State University

Participants will share knowledge on completed work and work in progress on values and consciousness. The group will explore the variety of definitions, approaches, theories, and methodologies. The group will decide on future agenda(s).

Saturday, April 21, 1990

- 7:30 a.m. Meeting of Fellows of the Institute for Human Ecology Room 107
- 8:00 Registration Kellogg Center Conference Desk - Main Lobby
- 8:00 Continental Breakfast Willy Room
- 8:30 General Session Auditorium

Presider: Cecile Edwards, Howard University

The Family Ecosystem: Macro and Micro Interdependence
Margaret Bubolz, Professor, Department of Family and Child Ecology, College of Human Ecology, Michigan State University

Discussants: Francille Firebaugh, Cornell University
Gerald Young, Washington State University
Questions and Answers

- 9:45 Break Willy Room

10:00 CONCURRENT SESSIONS III (A-E)

- IIIA. Symposium: Ecological Perspectives on Critical Issues
Confronting African-American Families Room 101

Ecological Perspectives on African-American Families Engulfed in the Criminal Justice System
Velma LaPoint [symposium organizer], School of Human Ecology, Howard University

Black Teen Pregnancies and Black Fathers
Ouida Westney, School of Human Ecology, Howard University

Issues in Health of African-American Families
Sylvan Alleyne, School of Human Ecology, Howard University

Stress, Social Networks, and Psychosocial Influences in Black Pregnancy Outcomes and Family Relationships
O. Jackson Cole, School of Human Ecology, Howard University

Implications of Substance Abuse on the Black Family
Ura Jean Oyemade, School of Human Ecology, Howard University

Coping Strategies for Disadvantaged Families in a Decade of Crisis
Cecile Edwards, School of Human Ecology, Howard University

10:00 CONCURRENT SESSIONS III(A-E), Continued

IIIB. Symposium: Urban Ecology

Vista Room

Urban Green Spaces and Natural Areas: Avoidable Tragedies of the Commons

Fikret Berkes, Institute of Urban and Environmental Studies,
Brock University, Ontario

Sally Lerner, Department of Environment and Resource Studies,
University of Waterloo, Ontario

A Change of Greenery: A Preliminary Study on the Ethnobotany of Inner-city Detroit, Michigan

Celia Duke Larsen, University of Michigan

The Ecology of Kochia Scoparia in Urban Areas

Orin G. Gelderloos [symposium organizer], Biology and
Environmental Studies, The University of Michigan-Dearborn

IIIC. Paper Session: Applied Human Ecology

Room 110

Moderator: Lester Milbrath, Research Program in Environment and Society, Department of Sociology, State University of New York at Buffalo

Diffusion of Innovations in a Small-scale fishery (Búzios Island, Brazil)

Alpina Begossi, Department of Ecology, Universidade Federal do Rio de Janeiro, Brazil

Peter J. Richerson, Institute of Ecology, University of California, Davis

Is Aymaran Time Allocation a Behavioral Adaptation to Andean Low Energy Flow?

Kazuhiko Moji, Department of Public Health, Nagasaki University School of Medicine, Japan

An Ecological Model for Prevention of Child Maltreatment

Sharon Shay, Massachusetts Committee for Children and Youth

An Ecosystem Approach for Appraising Environmental Degradation and Its Treatment by Ecotop Surgery in Dehradun Valley

Prem Bahadur Saxena, Department of Geography, and J. P. Srivastava, Department of Economics, D.B.S. P.G. College Dehra Dun, Garwahl University, India

How Much Is Too Much? Sustainable-use Management of High Value Natural Areas

Joy Wade and Jeremy Pratt, Institute for Human Ecology
Jonathan Taylor, U. S. Fisheries and Wildlife Service, National Ecology Research Center

Saturday, April 21, 1990

10:00 CONCURRENT SESSIONS III(A-E), Continued

IIID. Paper Session: Development and Global Change Room 106

Moderator: Francille Firebaugh, New York State College of Human Ecology, Cornell University

The Environmental Impact of Economic Development in China: Problems and Policies

Bernhard Glaeser, Science Center Berlin for Social Science Research

Natural Resource Planning in the Third World: Critique of Current Strategies and Elaboration of a New Paradigm

Michael Micklin, Urban and Regional Planning, Florida State University

The Greenhouse Effect and Economic Man

Carlo Jaeger, Human Ecology Group, ETH, Zürich, Switzerland
Hans Kastenholz, Institute for Behavioral Sciences, Swiss Federal Institute of Technology, Zürich, Switzerland

Health and Human Ecology

R. K. Bansal, Hindu College, Moradabad, U.P., India

Speedy and Effective Rural Planning on the Amazon Frontier

L. E. Milton, Rural Development Section, Canadian Food for Children

IIIE. Paper Session: Concepts and Theory in Human Ecology Room 107

Moderator: Jo Lynn Cunningham, Department of Child and Family Studies, The University of Tennessee - Knoxville

The Concept of Nature and Human Ecology

Finn Arler, Center for Human Ecology, Aarhus University, Denmark

Ecological Consciousness as a Missing Dimension of Human Ecology

Henryk Skolimowski, Program in Humanities, University of Michigan

Perceiving and Integrating Ecological Cycles of Matter and Energy

Armin Reller, Environmental Sciences, University of Zürich, Switzerland

Social Ecology as Social Theory: A Reflection-theoretical Approach

Michael Opielka, Institute for Social Ecology, Wiedershall, West Germany

The Ecological System Theory in Park and McKenzie

Teresa Rojo, Departamento de Sociologia, Universidad Nacional de Educacion a Distancia, Madrid, Spain

Saturday, April 21, 1990

11:45 Luncheon and Business Meeting Centennial ABC

Presider: Gerald Young, President, Society for Human Ecology;
Washington State University

1:45 p.m. Interest Group Working Sessions - Continued)
[There will be a 15 minute break at 2:45 in Willy Room]

Health	Room 106
Education	Room 101
Applied Human Ecology	Vista Room
Theory and Paradigms	Room 107
Development and Global Change	Room 110
Aesthetics and the Arts	Room 108
Values and Consciousness	Room 102

4:00 General Session Auditorium

Presider: Richard Borden, College of the Atlantic

Reasoning from Ecological Knowledge to Problem Solving
Frank Golley, President, International Association for
Ecology; Professor, Institute of Ecology, University of
Georgia

Discussants: Peter Richerson, University of California, Davis
Lee Freese, Washington State University
Questions and Answers

6:00 Joint (Outgoing and Incoming)
Executive Board Meeting Room 102

Dinner on your own - East Lansing Restaurants

