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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CONFERENCE PROGRAM

THE SOCIETY FOR HUMAN ECOLOGY

APRIL 20-22, 1990

MICHIGAN STATE UNIVERSITY

EAST LANSING

Artwork designed by:

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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 arrivals)
Thursday, April 19, 1990

6:00 -
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
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
Francellle Firebaugh, Cornell University
Maj-Lis Follèr, Gothenburg University, Sweden
Bernhard Glaser, 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

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
Ouida 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

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
Robert L. Kilty-Padgett, Department of Human Environment and Design, Michigan State University
12:30 p.m. Luncheon - Meet your Interest Group colleagues

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
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
Leaders: Robert Griffere, 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
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
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 dissatisfaction (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).
Friday, April 20

3:45 CONCURRENT SESSIONS II (A-D)

IIA. Symposium: Appreciating the Realities of Global Interdependence: Action Strategies Room 107

Ecology and the Secondary School Curriculum: Educational Pluralism and Change
Etta Mooser, College of the Atlantic

Discovering Africa in the University Classroom
Nancy Horn, Department of Anthropology, Wayne State University

Public Information Strategies to Promote Conservation and Sustainable Development
David Sutton, The Antaeus Group, Stanford University

Preparing People to Live and Function in the Multicultural Arena
Carl Polding, Department of Adult and Continuing Education, Michigan State University

Creating Public Awareness of Our Global Interconnections
Mary Andrews [symposium organizer], College of Human Ecology, Michigan State University

IIIB. Paper Session: Ecology of Health and Human Development II: Intergenerational, Youth, and Aging Issues Room 110

Moderator: Scott Wright, Family and Consumer Studies Department, University of Utah

Application of an Ecological Perspective in the Study of Black South African Children
Ivy Goduka, Central Michigan University

Intergenerational Consciousness: A Consciousness of Aging
Sister Suzanne Gross, F.S.E., Franciscan Home Care

Intergenerational Consciousness: A Consciousness of the Child Within
Sister Colleen Ann Nagle, F.S.E., Franciscan Life Process Child Development Center

A Comparative Analysis of Spirituality and Depression in Family Caregivers of Physically-impaired Elderly and Individuals with Cancer
Linda J. Keilman, College of Nursing, Michigan State University
Barbara A. Given, College of Nursing, Michigan State University

Impact of Health and Utility Expenditures on Consumption Patterns of the Elderly
Frances M. Magrabi, University of Illinois at Urbana-Champaign
Young Sook Chung, University of Illinois at Urbana-Champaign
Friday, April 20

3:45 CONCURRENT SESSIONS II (A-D), Continued

IIC. Paper Session: Perception and Values Room 101

Moderator: Jonathan Taylor, U. S. Fisheries and Wildlife Service, National Ecology Research Center

Human Ecology as Seen by Professors, Students, and Environmentalists
Monroe T. Morgan, Environmental Health, East Tennessee State University

Environmental Impact: Perceptions and Communication
L. E. Milton, Land Use & Environment, Ontario Hydro

"Poetry and the Primitive": Human Ecology in the Work of Gary Snyder
Jeremy Pratt, Institute for Human Ecology, Sonoma, California

Human Health and Local Strategies: A Study Among the Shipibo-Conibo in Eastern Peru
Maj-Lis Follér, Department of Peace Research and Human Ecology, Gothenburg University, Sweden

IID. Panel Discussion: Computer Tools for the Human Ecologist: GIS, HyperCard, and BITnet Room 102

Moderator: Peter Golia, Department of Family and Child Ecology, Michigan State University

Participants:
Park Armstrong, College of the Atlantic
John Anderson, College of the Atlantic
Carrie Heeter, Communication Technology Laboratory, Michigan State University
Donald Straus, College of the Atlantic

5:30 Reception hosted by Dean Julia Miller Red Cedar Room

6:30 Dinner Red Cedar Room
Presider: Eva Ekehorn, Gothenburg University

Reports from Representatives of International Organizations
Zena Daysh, Commonwealth Human Ecology Council
Bernhard Glaeser, German Society for Human Ecology
Luc Hens, European Association of Human Ecology
Kazuhiko Mojiri, Japanese Society for Human Ecology
Tage Sundström, Nordic Society for Human Ecology
Karl Weddle, International Federation of Home Economics

8:30 Council of Representatives Meeting Vista Room
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

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
IIIB. Symposium: Urban Ecology

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

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?
Kazuhiro 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
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 Behaviorial 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 Opieika, Institute for Social Ecology, Wiederschall,
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
Sunday, April 22, 1990

7:30 a.m. New (Incoming) Executive Board Meeting Room 110

8:00 Continental Breakfast Willy Room

9:00 General Session Auditorium

Presider: Thomas Dietz, Human Ecology Research Group, George Mason University

Panel Discussion - The Greenhouse Effect: Strategies from the Perspectives of Human Ecology, Deep Ecology, and Biological Ecology

Moderator: Dennis Keefe, Department of Family and Child Ecology, Michigan State University

Participants:
William Cooper, Department of Zoology, Michigan State University
Eva Ekehorn, Department of Human Ecology and Peace Research, Gothenburg University, Sweden
Frank Golley, Institute of Ecology, University of Georgia
David Rothenberg, Department of Philosophy, Boston University
Gerald Young, Environmental Science Program, Washington State University

10:30 Break Willy Room

10:45 Reports of Interest Group Leaders Auditorium

Summary: Thomas Dietz, Human Ecology Research Group, George Mason University

12:00 Adjournment