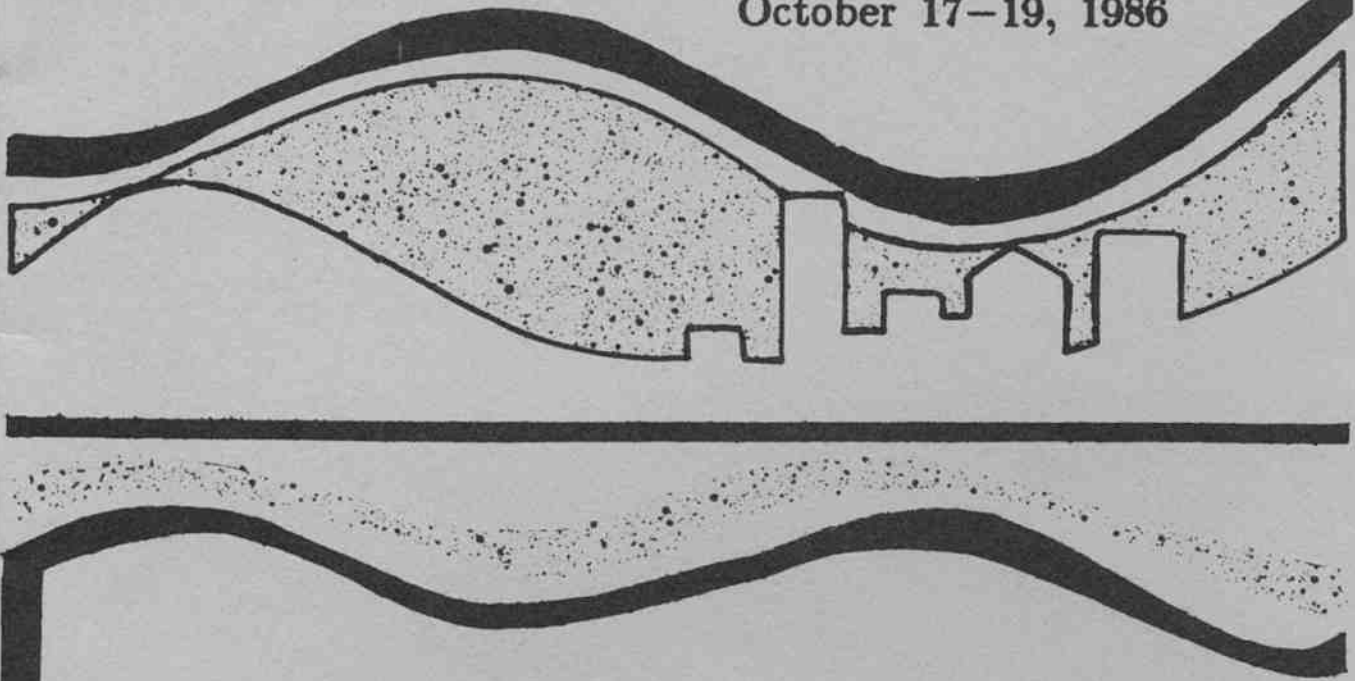




Second International Conference of the
Society for Human Ecology

October 17-19, 1986



Human Ecology:
Research and Applications



College of the Atlantic, Bar Harbor, Maine

Second International Conference of the
SOCIETY FOR HUMAN ECOLOGY
College of the Atlantic, Bar Harbor, Maine
October 17 - 19, 1986

Program Overview

Friday, October 17

Morning:

10:30 Pre-conference meetings. Note - SHE Advisory Board and Committee member nominees are encouraged to attend.

Afternoon:

12:30 Welcomes: Wolfgang Preiser, President - SHE
Louis Rabineau, President - College of the Atlantic
Richard Borden, President-Elect - SHE
12:45 Invited Speaker -- William Carpenter, "Aesthetics and Human Ecology"
1:45 Symposium I -- "Applications of Dynamical Systems"
" " Contributed Paper Sessions
3:30 Roundtable Discussion Groups
5:15 Invited Speaker -- Andrew P. Vayda, "Actions and Consequences as
Objects of Explanation in Human Ecology"
6:00 Reception
7:00 Dinner -- Bar Harbor Restaurants

Saturday, October 18

Morning:

8:30 Coffee
9:00 Symposium II -- "Ecological Approaches to Socio-Medical Research"
" " Contributed Paper Sessions
10:45 Invited Speaker -- Zena Daysh, "Human Ecology: Research and Application
The Work of the Commonwealth Human Ecology Council"
11:30 Business Meeting (Luncheon served)

Afternoon:

1:30 Roundtable Discussion Groups
3:15 Contributed Paper Sessions
4:45 Invited Speaker -- Paulo de Almeida Machado, "Human Ecology and
Tropical Diseases"
5:30 Reception
6:30 Dinner -- Bar Harbor Restaurants

Sunday, October 19

Morning:

8:30 Coffee
9:00 Symposium III -- "Research in Human Ecology at the Gothenburg University"
" " Contributed Paper Sessions
11:00 Invited Speaker -- Torsten Malmberg, "Space and Time in Human Ecology"
12:00 Lunch

Afternoon:

1:00 Roundtable Discussion Groups
2:30 Summation and Farewells
3:00 Special events: People scheduled for the Frenchman's Bay boat trip
or the Acadia National Park bus tour should meet in the parking lot
in front of the auditorium.

Society for Human Ecology

University of Maryland
Room 1401, Marie Mount Hall
College Park, MD 20742
(301) 454-2144

The Society for Human Ecology provides a forum for scientists, scholars, and practitioners interested in developing and applying human ecological approaches to issues concerning the relationships between people and environments. The Society holds regular conferences, conducts seminars and symposia, and prepares a variety of publications.

Officers and Program Committee

President:
Wolfgang F.E. Preiser
University of New Mexico

Second Vice President:
Gerald L. Young
Washington State University

First Vice President:
Richard J. Borden
College of the Atlantic

Treasurer:
Cherry Lowman
U.S. Public Health Service

Executive Director:
Guido Francescato
University of Maryland

On-Site Conference Coordinators

Richard J. Borden
Jamien Jacobs
Carol Mead

With assistance from: Skip Basso, Jim Batchelder, Susan Bennet, Cynthia Borden-Chisholm, Michael Broyer, Steve Chidester, Laura Cohn, Millard Dority, Carolyn Dow, Inger Espalin, Glenon Friedmann, Lauren Gilson, Lori Gustafson, Michael Hall, Lisa Hammer, Charles Hesse, Mike Kimball, Ernie McMullen, Livia Munck, Louis Rabineau, Mary Veit, John Visvader

College of the Atlantic

College of the Atlantic is a small independent college located in Bar Harbor, Maine. The College offers a single interdisciplinary degree--the Bachelor of Arts in Human Ecology. The curriculum revolves around the study of the relationships between people and their natural and social environments. College of the Atlantic is fully accredited by the New England Association of Schools and Colleges. (A map of the campus and the location of conference vents appears on Page 11.)

CONFERENCE NOTES

Registration: "Turrets" Lobby (1st floor): Fri. 10am - 6pm, Sat. 8:30am - 5pm

Money: Sorry, we are unable to cash personal checks or traveler's checks.
We will accept personal checks in payment of registration fees of course.

Coffee and Pastries will be available at no cost to conference registrants on Saturday and Sunday from 8:30 to 10:30 am in the Turrets Dining Room.

Lunches have been prepared for participants with meal reservations. A few additional lunches may be available, please inquire at the registration desk.

Conference Proceedings will be distilled from the program and published. Invited speakers and paper contributors will be contacted after the conference with details for submission. Copies of the proceedings from the 1985 SHE conference are on sale at the registration desk.

Space Limitations: College of the Atlantic auditorium is of limited seating capacity. Unfortunately, there may not be enough seats for all conference attendees during the invited lectures. Pre-registered participants will have seating priority in the auditorium. In order to accommodate everyone, closed circuit television monitors have been set up in Studio 2 and Studio 4. We apologize for this inconvenience.

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PROGRAM

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INVITED SPEAKERS
Auditorium

AESTHETICS AND HUMAN ECOLOGY

William Carpenter, College of the Atlantic
(Chair, Richard J. Borden, College of the Atlantic)

ACTIONS AND CONSEQUENCES AS OBJECTS OF EXPLANATION IN HUMAN ECOLOGY

Andrew P. Vayda, Rutgers University
(Chair, Gerald L. Young, Washington State University)

HUMAN ECOLOGY: RESEARCH AND APPLICATION - THE WORK OF THE COMMONWEALTH
HUMAN ECOLOGY COUNCIL

Zena Daysh, Commonwealth Human Ecology Council (CHEC), London, UK
(Chair, Steven Katona, College of the Atlantic)

HUMAN ECOLOGY AND TROPICAL DISEASES

Paulo de Almeida Machado, Cidade Universitaria, Campisino, Brazil
(Chair, Wolfgang F. E. Preiser, University of New Mexico)

SPACE AND TIME IN HUMAN ECOLOGY

Torsten Malmberg, Nordic Society of Human Ecology and University of Lund
(Chair, Cherry Lowman, National Institute of Alcohol Abuse and Alcoholism)

SYMPOSIA
Auditorium

Symposium I: Applications of Dynamical Systems (Friday, 1:45-3:15pm)

Organizer: John W. Sinton, Stockton State College

Participants:

- Michael Lesser, PANCAN Corp. London, Great Britain
Introduction to the Concept of Dynamical Systems
- Robert Artigiani, United States Naval Academy
History as Dynamical Systems
- Silvan Tomkins, University of Pennsylvania
Dynamical Systems as Part of the General Study of Structures
- John Sinton, Stockton State College
Summations

Symposium II: Ecological Approaches to Socio-Medical Research (Sat. 9:00-10:30am)

Organizers: Cherry Lowman, National Institute on Alcohol Abuse and Alcoholism
David Jackson, National Institute of Mental Health

Participants:

- Cherry Lowman, National Institute on Alcohol Abuse and Alcoholism
- David Jackson, National Institute of Mental Health
- Harold Goldsmith, National Institute of Mental Health
- James M. Erickson, Agency for International Development
- Elmer L. Struening, New York State Psychiatric Institute and
Columbia University

- Topics:
1. In Search of Process (Lowman, Jackson)
 2. Residential Area Analysis and Psychiatric Disorder (Jackson, Goldsmith, Lowman)
 3. Ecological Processes in Psychiatric Hospitalization (Struening)
 4. Contemporary Issues in the Human Ecology of Malaria: Clinical Trials and AIDS (Erickson)

Symposium III: Human Ecology at the Gothenburg University (Sunday, 9:00-10:30am)

Organizer: Eva Ekehorn, Gothenburg University, Sweden

Participants:

- Britta Jungen, Gothenburg University, Sweden
Sweden During the Roaring Twenties: The Human Ecology of a Newly Industrialized Country
- Maj-Lis Foller, Gothenburg University, Sweden
The Use of Medicinal Plants Among the Shipibo-Conibo
- Eva Andersson, Gothenburg University
The View of the Human Death
- Eva Ekehorn, Gothenburg University, Sweden -- Discussant

CONTRIBUTED PAPERS

APPLIED HUMAN ECOLOGY: DESIGN AND THE BUILT ENVIRONMENT (Friday, 1:45-3:15pm)

MODERATOR: Wolfgang F. E. Preiser - University of New Mexico
(Studio - 2)

Perla Korosec-Serfaty
Universite Louis Pasteur, France

Dwelling and Sociability

Sheila Danko
Cornell University

Lighting Research and Practical
Application: Are we still in the Dark?

Peter Schmid
Eindhoven University of Technology
The Netherlands

New Building Concepts: Totality -
Process - Detail

Earle Barnhart
New Alchemy Institute

Better homes and Habitats:
Ecological Housing for the Future

Ljubomir Trubuhovic
Institut fur Hochbautechnik
Switzerland

Visual Delusions in the Built
Environment

APPLIED HUMAN ECOLOGY: CHILD AND FAMILY STUDIES (Friday, 1:45-3:15pm)

MODERATOR: Lester Milbrath - State University of New York, Buffalo
(Turrets I)

Don Herrin and Scott Wright
University of Utah

Studying the Family as an Ecosystem or is it
the Ecological Study of the Family: Conceptual
Issues in Understanding Family Dynamics

Christiann Dean
Cornell University

Practical Applications of
Research on Parental Empowerment:
The Cornell Family Matters Model

Anna Siniarska
Smithsonian Institute

Family Socio-Economic Conditions and
the Biological Development of Children

Suzanne Sontag and Margaret Bubolz
Michigan State University

A Human Ecological Perspective for
Integration in Home Economics

Ura Jean Oyemade
Howard University

Ecological Study of Factors Affecting
Behavioral Outcomes of Adolescents

CONTRIBUTED PAPERS (con't.)

RESOURCES AND MANAGEMENT (Saturday, 9:00-10:30am)

MODERATOR: Donald B. Straus - College of the Atlantic
(Studio - 2)

James Barrett and Mary Reynolds
University of New Hampshire

Urban and Community Forests: The Missing
Links

J. Owen Jones
Oxford University

The Nature and Significance of Natural Re-
sources in Relation to Human Development

Frank Reed and Richard Brooks
Vermont Law School

Diversity: The Career of an Ecological
Concept in Law

Joseph Siry
Rollins College

Wildways and the Evolving Tradition of
Stewardship for Wilderness

Candelario Saenz
Stockton State College

Land and Water Use Among the Twareg of
Niger

HUMAN ECOLOGY, EDUCATION AND SOCIAL CHANGE (Saturday, 9:00-10:30am)

MODERATOR: Britta Jungen - Gothenburg University
(Turrets I)

Paulo de Almeida Machado
Cidade Universitaria, Brazil

Learning by Teaching Human Ecology

Sally Taylor
Connecticut College

The Job Market for Human Ecology Majors

Jeanne Louise Harrison
Washington State University

Appreciation of Human Trophic Relationships
Alternative Ways to Increase Public
Awareness of Nutritional Ecology

Thomas Marcinkowski
Southern Illinois University

The Identification, Measurements, and
Modeling of Correlates and Predictors
of Responsible Environmental Behavior

Esther Railton
California State University

How Concepts of Adaptation and Change are
Presented in the Elementary Schools (Videotape)

ECOLOGY, ECONOMICS AND PUBLIC POLICY (Saturday, 9:00-10:30am)

MODERATOR: Eva Ekehorn - Gothenburg University
(Studio - 4)

Fredrick Ferre
University of Georgia

Eco-Technics and the Threat of Cost-
Benefit Thinking

Sverker Sorlin
University of Umea
Sweden

How to Escape Cost Benefit Analysis--
Identifying Values in our Natural and
Cultural Environment.

Carla Dumesnil
Texas Christian University

Bureaucracy as a Human Ecological Force

John Buell
College of the Atlantic

Community, Economic Development, and
Human Ecology

Lester Milbrath
SUNY - Buffalo

Fulfilling Work in a Sustainable Society

APPLIED HUMAN ECOLOGY: IMPACT ASSESSMENT (Saturday, 3:15-4:30pm)

MODERATOR: Charles P. Wolf - Social Impact Assessment Center
(Studio - 4)

- | | |
|--|---|
| Thomas Dietz
George Mason University | Theory and Method in Social Impact Assessment |
| Thomas Meredith
McGill University
Canada | Impact Assessment, Planning, and Environmental Relations of Native People in Northern Quebec and Labrador |
| Rodney Simpson
Australia National University | Problems Posed by Reductionism and Technological Fixes in Environmental Management: Examples in Air Pollution |
| Richard Smardon, James Palmer and
Jean Smith
SUNY - Syracuse | Socio-cultural Wetland Evaluation in Juneau, Alaska |

HUMAN ECOLOGY: CONCEPTS AND THEORY I (Saturday, 3:15-4:30pm)

MODERATOR: Joseph Siry - Rollins College
(Studio -2)

- | | |
|---|---|
| Gerald L. Young
Washington State University | The Rush to Apply: The Operational Problem in Human Ecology |
| Peter Novak
University of Ulm, Germany | Human Ecology and Problems of Power |
| Liesa Nestmann
Hochschule Flensburg
Germany | The Human Ecological Significance of Stereotypes and Prejudice: Psycho-Environmental Regulation and its Break-down under Stress |
| Wilbert Wilson
Howard University | A Concern with Human Relationships to the Macroenvironment |

HUMAN ECOLOGY: CONCEPTS AND THEORY II (Saturday, 3:15-4:30pm)

MODERATOR: John Visvader - College of the Atlantic
(Turrets I)

- | | |
|---|--|
| Bai-lian Li
Wuhan University
China | Shengke Analysis in Human Ecological Systems |
| Peter Golia
Michigan State University | An East-West Approach to Human Ecology: Blending Tetrahedrons, Zen, and Poetry |
| Harris Hyman and Karon Hyman
College of the Atlantic | Murphy's Law: An Investigation of Phenomenology, Ecology and Theodicy |

APPLIED HUMAN ECOLOGY: ENVIRONMENT, HEALTH AND EPIDEMIOLOGY (Sunday, 9:00-10:30)
MODERATOR: Cherry Lowman - National Institute of Alcohol Abuse and Alcoholism
(Studio - 4)

- | | |
|---|--|
| Shosuke Suzuki
Guma University School of Medicine
Japan | Complex of Environment, Activity and
Health--Observed at Kampung in Indonesia |
| Tiril Vogt
Central Bureau of Statistics
Norway | The Relationship Between Aluminum in
Drinking Water and Mortality from
Presenile and Senile Dementia in Southern
Norway |
| Dilip Bose
Jadavpur University
India | Environmental Aspects of Chemical
Emergency Preparedness and Epidemiologic
Impact of the Bhopal Disaster |
| Sehdev Kumar
University of Waterloo
Canada | The Bhopal Gas Tragedy |
| Napoleon Wolanski
Polish Academy of Sciences
Warsaw, Poland | Health: An Ecological Problem |

HUMAN ECOLOGY: FIELD STUDIES (Sunday, 9:00-10:30am)
MODERATOR: Guido Francescato - University of Maryland
(Studio - 2)

- | | |
|--|--|
| William Abruzzi
Pennsylvania State University | The Impact of Environmental Productivity
and Stability Upon Community Diversity
During Mormon Colonization of the Little
Colorado River Basin |
| Christina Bernis
Universidad Autonoma of Madrid
Spain | Biocultural Systems in the Mediterranean |
| Hiroshi Kashiwazaki
University of Tokyo
Japan | Land Opening efforts and out-migration
in a Japanese pioneer agricultural
community of Bolivian Lowland: Who Shall
Adapt? |
| Jean McCollister
University of Oxford
England | Restoration of the Pastoral Economy in
the Slovenian Alps: Problems and
Successes |
| G. S. Nathawat
Indira Gandhi Centre for
Human Ecology
India | Irrigation, Population Growth and Inter-
Actions In Sriganganagar District,
(Rajasthan) India |

ROUNDTABLES

The program includes a series of "Roundtable" discussions on topics suggested by conference participants. The leaders of each roundtable will set a problem and guide an open forum discussion among a larger group of people interested in the topic. Roundtables will be about 1-1/2 hours long. A tentative list of participants is given with each topic. These discussions, of course, are open to all conference registrants.

EDUCATION FOR HUMAN ECOLOGY (Friday, 3:30-5:00pm, Studio - 4)

Discussion Leaders: Sally Taylor - Connecticut College

Gerald Young - Washington State University

Participants: Peter Corcoran - College of the Atlantic

Zena Daysh - Commonwealth Human Ecology Council, UK

Eva Ekehorn - Gothenburg University, Sweden

Ernst Gayden - Western Washington University

Diana Hayman - U. S. Dept. of Education - FIPSE

Britta Jungen - Gothenburg University, Sweden

Paulo de Almeida Machado - Cidade Universitaria, Brazil

Thomas Marcinkowski - Southern Illinois University

Wendy Marshall - New Alchemy Institute

Esther Railton - University of California, Hayward

J.C. Smyth - Paisley College of Technology, Scotland

ENVIRONMENTAL DESIGN/URBAN ECOLOGY (Friday, 3:30-5:00pm, Studio - 2)

Discussion Leaders: Wolfgang Preiser - University of New Mexico

John Sinton - Stockton State College

Participants: Joanne Carpenter - College of the Atlantic

Sheila Danko - Cornell University

Carla Dumesnil - University of Utah

Perla Korosec-Serfaty - Universite Louis Pasteur, France

Ernest McMullen - College of the Atlantic

Zev Naveh - Technion, Israel Institute of Technology, Israel

James Palmer - State University of New York, Syracuse

Peter Schmid - Eindhoven University of Technology, Netherlands

Richard Smardon - State University of New York, Syracuse

Ljubomir Trubuhovic - Inst. fur Hochbautechnik, Switzerland

CONCEPTS OF HUMAN ECOLOGY (Friday, 3:30-5:00pm, Turrets I)

Discussion Leaders: Ouida Westney - Howard University

Lester Milbrath - State University of New York, Buffalo

Participants: James Barrett - University of New Hampshire

Christiann Dean - Cornell University

Michael Lesser - PANCAN Corp., Great Britain

Mary Reynolds - University of New Hampshire

Susan Sontag - Michigan State University

John Visvader - College of the Atlantic

Wilbert Wilson - Howard University

Scott Wright - University of Utah

HUMAN ECOLOGY AND HEALTH (Saturday, 1:30-3:00pm, Studio - 4)

Discussion Leaders: Stephen Chorover - Massachusetts Institute of Technology
Cherry Lowman - National Institute on Alcohol Abuse and Alcoholism

Participants: Eva Andersson - Gothenburg University, Sweden
Dilip Bose - Jadavpur University, India
Christopher Brigham - Health Management Systems Inc.
Katherine Connell-Thouez - Attorney, Quebec/Louisiana
Cecile Edwards - Howard University
Maj-lis Foller - Gothenburg University, Sweden
Harold Goldsmith - National Institute of Mental Health
David Jackson - National Institute of Mental Health
Yoon Shin Kim - Hangyang University, Korea
Paulo de Almeida Machado - Cidade Universitaria, Brazil
Christopher Nuttman - University of Brunei
Shosuke Suzuki - Guma University, Japan
Jean-Pierre Thouez - University of Montreal, Canada
Tiril Vogt - Central Bureau of Statistics, Norway

ECOLOGY AND HUMAN ECOLOGY (Saturday, 1:30-3:00pm, Studio - 2)

Discussion Leaders: William Drury - College of the Atlantic
Andrew Vayda - Rutgers University
Gerald Young - Washington State University

Participants: William Abruzzi - Pennsylvania State University
Robert Artigiani - U.S. Naval Academy
Cristina Bernis - Universidad Autonoma Madrid, Spain
Torsten Malmberg - University of Lund
Zev Naveh - Technion, Israel Institute of Technology
William Niering - Connecticut College
Rodney Simpson - Australia National University, Australia
David Sutton - The Anteus Group
Robert Trivers - University of California, Santa Cruz

DEVELOPMENT, IMPACT ASSESSMENT, AND RESOURCE POLICY (Sunday, 1:00-2:30pm, Studio - 2)

Discussion Leaders: Charles P. Wolf - Social Impact Assessment Center
Donald B. Straus - College of the Atlantic

Participants: Richard O. Brooks - Vermont Law School
John Carroll - University of New Hampshire
Thomas Dietz - George Mason University
Hiroshi Kashiwazaki - University of Tokyo, Japan
Sehdev Kumar - University of Waterloo, Canada
Jean McCollister - University of Oxford, England
Thomas Meredith - McGill University, Canada
James Palmer - State University of New York
Joseph Siry - Rollins College

INTERNATIONAL NETWORKING (Sunday, 1:00-2:30pm, Studio - 4)

Discussion Leaders: Wolfgang F. E. Preiser - University of New Mexico
Napoleon Wolanski - Polish Academy of Sciences

Participants: Richard Borden - College of the Atlantic
Zena Daysh - Commonwealth Human Ecology Council
Guido Francescato - University of Maryland
J. Owen Jones - Oxford University, England
Yoon Shin Kim - Korea Society for Human Ecology
Paulo de Almeida Machado - Cidade University, Brazil
Torsten Malmberg - Nordic Society for Human Ecology
G. S. Nathatwat - Indira Gandhi Centre for Human Ecology, India
Zev Naveh - Technion, Israel Institute of Technology
John Sinton - Stockton State College

CAMPUS MAP:
COLLEGE OF THE ATLANTIC
 (and location of
 conference events)

Arts and Sciences
Building

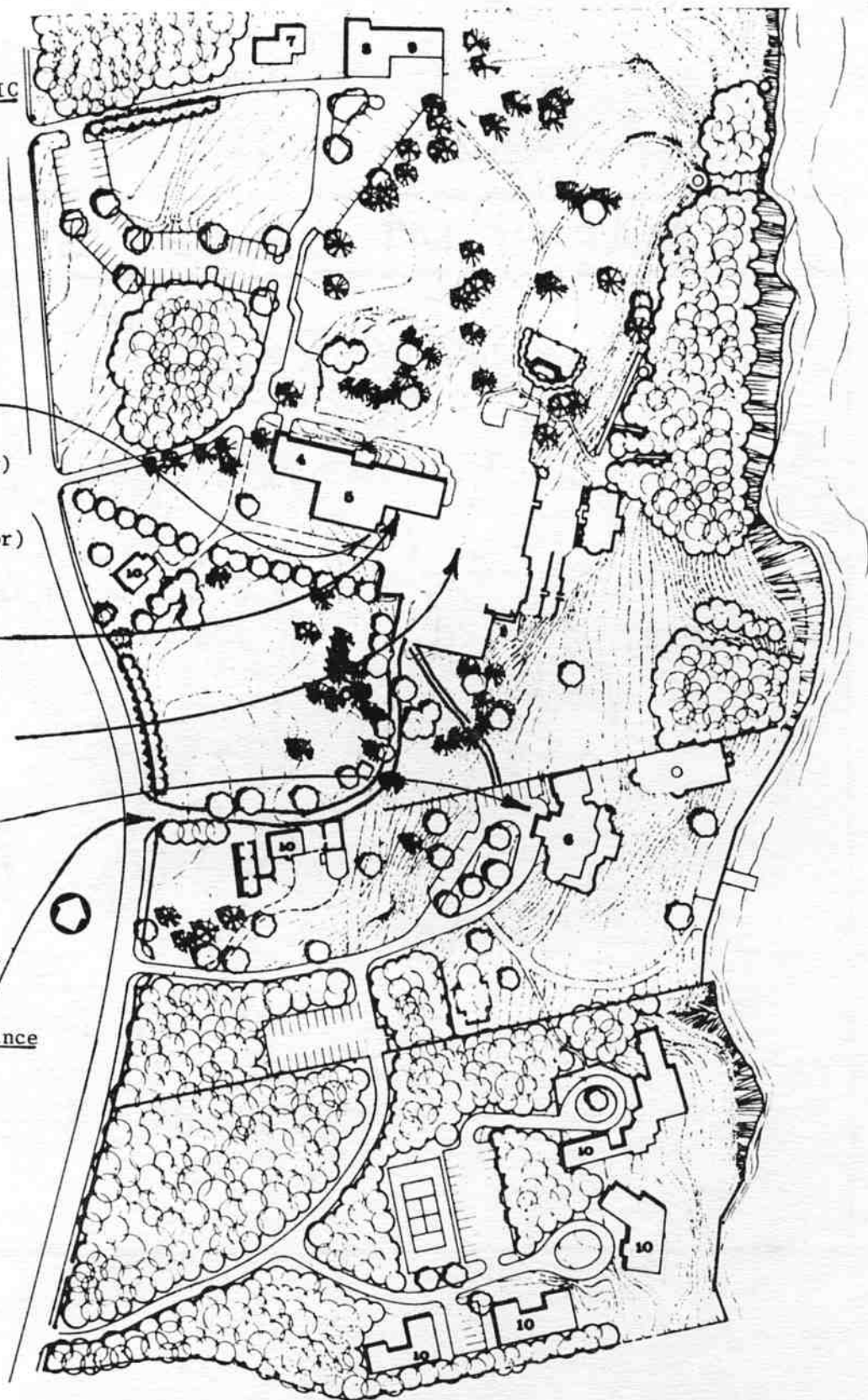
Studio 2 (first floor)
 Paper sessions
 Roundtables
 Studio 4 (second floor)
 Paper sessions
 Roundtables

Auditorium
 Plenary Lectures
 Symposia

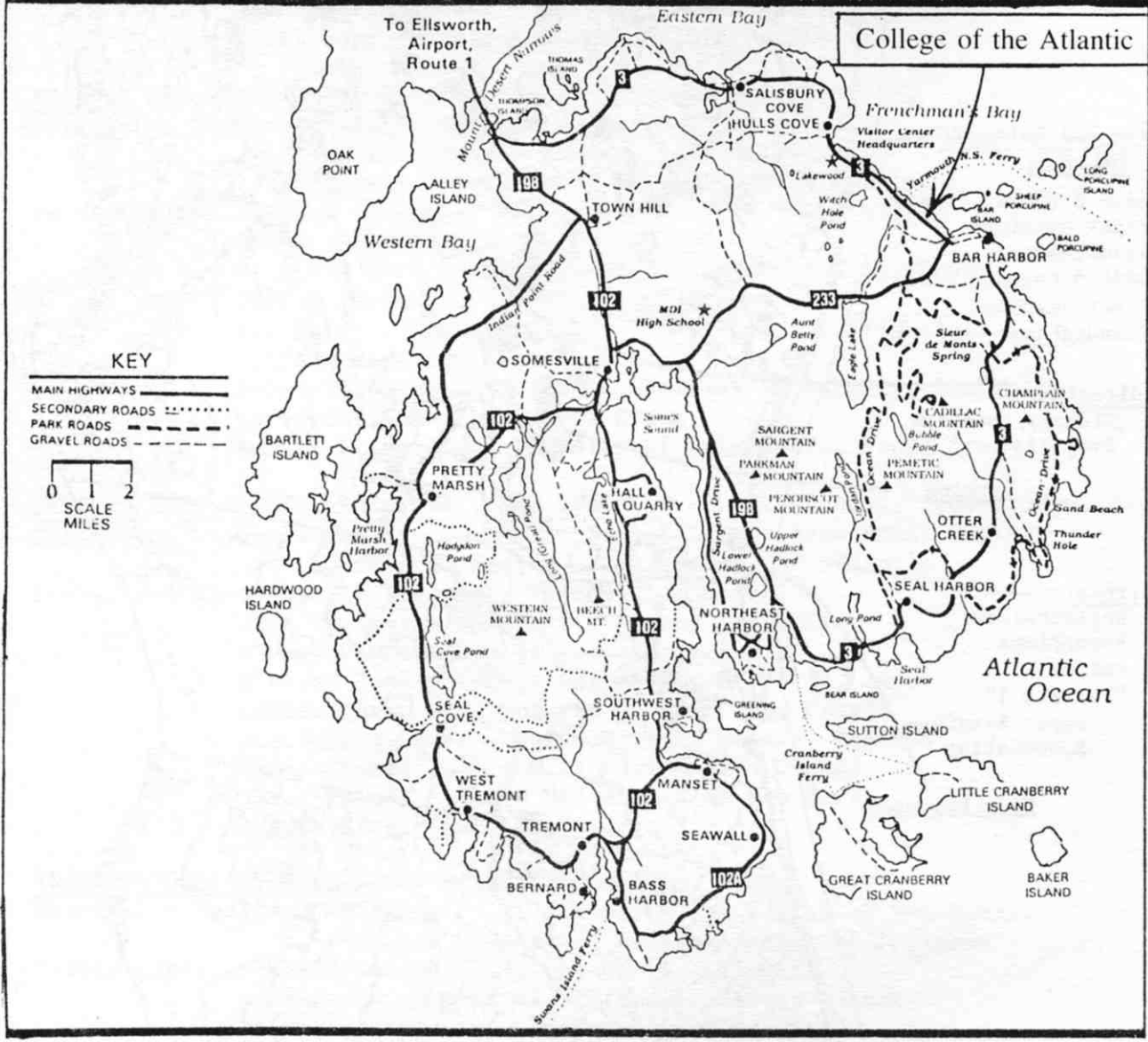
Parking

Turrets:
 Registration
 Receptions
 Coffee
 "Turrets 1"
 Paper Sessions
 Roundtables

Main Entrance



MAP OF MT. DESERT ISLAND



KEY

- MAIN HIGHWAYS ———
- SECONDARY ROADS - - - - -
- PARK ROADS
- GRAVEL ROADS - - - - -

0 1 2
SCALE
MILES