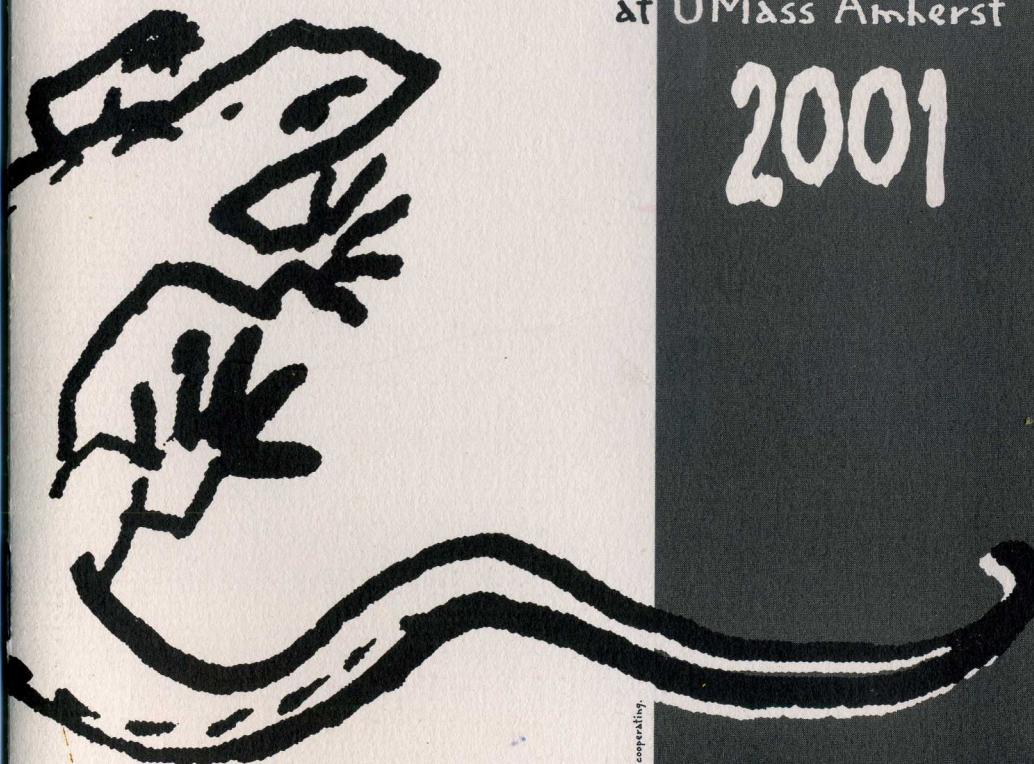


A  
University  
Outreach  
Program

# EARTH CONNECTION

at UMass Amherst

2001



United States Department of Agriculture cooperating.

March 2-3, 2001

# Welcome to Earth Connection 2001!

## Earth Connection 2001 Participating Teams\*

Agawam High School - S.A.V.E. (Students Against Violating the Environment)  
Amherst Regional High School - Environmental Action Club  
Apponequet Regional High School - Environmental Research  
Attleboro High School - Attleboro High School Environmental Club  
Bourne High School, Bourne - Bourne High School Environmental Club  
Bridge Academy, Springfield  
Bristol County 4-H, New Bedford  
Eagle Hill School, Hardwick  
EcoTarium, Worcester - Teen Action Science Crew  
The Food Project, Boston  
Franklin County Technical School  
Greater Lowell Technical High School  
Longmeadow High School - Longmeadow Environmental Club  
Medway High School - Pangaea  
Methuen High School  
Minnechaug Regional High School, Wilbraham  
MissionSAFE: A New Beginning, Inc., Roxbury  
Needham Area Home Schoolers  
New England Aquarium, Boston - Environmental Leadership Team  
Nuestras Raices Inc., Holyoke - Protectores de la Tierra  
Oliver Ames High School, North Easton  
Pingree School, Ipswich - Pingree Greenheads  
Pioneer Valley Regional School, Northfield - PVRS Envirothon  
Provincetown High School  
Quabbin Regional High School, Barre  
Roca, Inc., Chelsea - Youth STAR Conservation Team  
Salem State College EARLY Program  
Salem State College Upward Bound Program  
Seeds Of Solidarity Education Center, Inc., Orange - SOL (Seeds of Leadership Garden)  
Tahanto Regional High School, Boylston - Tahanto Envirothon Team  
Waltham High School - Waltham High School Environmental Club  
Westborough High School - Westborough High School Environmental Club  
Winchester High School- Leatherback Sea Turtles Conservation Team

\* as of February 15, 2001

The Earth Connection is an action conference - a place to

MEET others concerned about the environment  
TRY new skills  
GATHER new knowledge  
SHARE ideas, opinions, and questions  
EXPLORE environmental resources at UMass  
ENERGIZE your own action projects

The Earth Connection is founded on a simple yet powerful idea: young people are resources for environmental problem-solving. As a project of UMass Extension's 4-H Youth & Family Development Program, we are particularly interested in fostering youth leadership and youth/adult partnerships. When young people and adults work together on environmental issues, the result is an improved environment for the whole community.

This year Earth Connection is at a crossroads. After five years of support, our friends at International Paper are no longer able to sponsor the conference. UMass Extension is looking for new partners and fresh ideas for the future.

YOU can help shape the future of the Earth Connection. If this conference is useful for you, NOW is the time to say so! We need the words of our participants - young people, advisors, and community partners - to demonstrate Earth Connection's value to potential sponsors. Please take every opportunity during this conference to share your thoughts.

We are glad you could make it! We hope you will have a great experience, and that you will find new knowledge, skills, connections, and energy to put to work in your community.

*Laura Hall, Carol Snyder, Sarah T. Spalding, Wendy Markham, Dr. Cleo K. Hayashi, Joanne Madia, Q. D. O. S., Linda Johnson, Lori Dugay, Steven T. Dugay, Kristen Johnson, Karen J. Bushnell, Kelly A. Johnson, Julie Meyer*

The Earth Connection 2001 Steering Committee

<http://k12s.phast.umass.edu/~econnect>  
econnect@k12s.phast.umass.edu

# Earth Connection 2001

## Friday, March 2

- 8:00 Registration opens ..... CC Auditorium  
Workshop sign-up  
Refreshments
- 9:15 Conference Opening ..... CC Auditorium  
Welcome/Icebreakers
- 10:15 Workshops ..... see page 4
- 11:45 Lunch ..... Campus Center  
(tickets in CC Auditorium)
- 12:45 Workshops ..... see page 4
- 2:30 UMass EnviroTrek ..... start in CC Auditorium  
see pages 14-15
- 5:00 Room check-in / dinner tickets ..... CC Auditorium  
Team Meetings  
Dinner ..... Worcester Dining Commons  
Oak Room or Basics
- 6:45 Roundtables ..... CC Auditorium  
see page 16
- 8:30 LATER Friday night ..... CC 1<sup>st</sup> floor  
see page 18
- 11:00 End of evening activities, quiet hours begin
- 12:00 In rooms, doors closed

Saturday, 9:00 - 12:00 double workshops  
20 Photographing the Natural World  
(see page 19 for descriptions)

## Saturday, March 3

- 8:00 Room check-out ..... Student Union Ballroom  
Breakfast
- 8:30 Warm-up ..... Student Union Ballroom
- 9:00 Workshops ..... see page 5
- 10:45 Workshops ..... see page 5
- 12:15 Conference closing ..... CC Auditorium
- 12:30 Power Lunch ..... CC 1<sup>st</sup> floor  
Evaluation  
Optional Networking Sessions and Action Planning

## Earth Connection 2001 WORKSHOPS

(times and locations)

### Friday, 10:15 - 11:45

- 1 Brownfields Basics and Opportunities CC 101
- 2 Community Gardening With Youth CC 176
- 3 The Coverboard Project: A Real World Environmental Science Project CC 163c
- 4 The ECOBUS: Environmental Education on Wheels\* CC 904-908
- 5 First Flush: Storm Water Best Management Practices\* CC 903
- 6 Global Climate Change and Its Effects: What Can We Do? CC 905-909
- 7 How You Can Help Your Community Grow Smart CC 917
- 8 Making Trails Accessible for People of ALL Abilities\* CC 168c
- 9 Population and the Environment: Water & Food in 2025 CC 165-169
- 10 Storm Water Site Assessment\* CC 162-175
- 11 Why Have Zoos/? CC 911-915

### Friday, 12:45 - 2:15

- 12 Celebrating Your Strengths, Strengthening Your Inspiration CC 101
- 13 Crime Against Your Environment! (Video-making) Meet in CC Aud
- 14 Global Climate Change and Its Effects: What Can We Do? CC 905-909
- 15 Knowing Your Community, Showing Your Community A Community Assessment Model CC 174
- 16 Living on the Sun and French-Fry Grease\* CC 163c
- 17 Movin' and Shakin' the Policy Makers: You CAN Fight City Hall CC 165-169
- 18 The Pesticide Banquet CC 168c
- 19 Storm Water Site Assessment\* CC 162-175
- 20 What is the FTAA and Why Should I Care About It? CC 917
- 21 Why Have Zoos? CC 911-915
- 22 The Word in the Wild: Writing and the Wilderness Experience\* CC 176

### Saturday, 9:00 - 12:00 double workshops

- 23 Photographing the Natural World\* CC 162-175

### Saturday, 9:00 - 10:30

- 24 American Indians: Connection to Earth CC 917
- 25 Elementary School Environmental Education CC 911-915
- 26 First Flush: Storm Water Best Management Practices\* CC 176
- 27 Organizing Large Service Events CC 174
- 28 Power Shifting: Environmental Action Through Improvisational Theater CC 101
- 29 Sticks & Stones, Mud & Snow: Making Art In, With, & About Our Environments\* CC 168c
- 30 Questioning Nature\* CC 905-909
- 31 Walk Like a Fox, See Like an Owl\* CC 165-169
- 32 What is it? The Connection Between a Wetland and a Watershed CC 903
- 33 Who's Got the Power? CC 904-908

### Saturday, 10:45 - 12:15

- 34 American Indians: Connection to Earth CC 917
- 35 Elementary School Environmental Education CC 911-915
- 36 The Fire Experience\* Student Union Ballroom
- 37 Map and Compass Basics\* CC 904-908
- 38 Organizing Large Service Events CC 174
- 39 Part Time Farming ... Wherever You Live!\* Meet in CC Aud
- 40 Questioning Nature\* CC 905-909
- 41 Understanding Your Watershed CC 176
- 42 Walk Like a Fox, See Like an Owl\* CC 165-169
- 43 What Do We Do With It All? A Solid Waste Overview CC 101
- 44 Writing For Action CC 168c

\* Dress warmly. You'll spend some time outside.

# Earth Connection 2001 WORKSHOPS

(in alphabetical order by title)

## American Indians: Connection to Earth

Ed Sarabia and Mark Allen  
Connecticut Office of Indian Affairs

Learn how American Indians, particularly Indians in this region, view Mother Earth and how ceremonies remind us of that connection. Through videos and discussion, this workshop will introduce Indian culture and how it relates to our environment (Mother Earth), including a look at dancing and the use of certain plants in ceremonies.

## Brownfields Basics and Opportunities

Lynne Jennings, U.S. Environmental Protection Agency  
Catherine Finneran, Mass Department of Environmental Protection  
Katie Galluzzo, Springfield Planning Department  
Derek Kalchbrenner, Jobs for Youth - Boston

What can be done to save land that has been contaminated with pollutants? This workshop will offer a panel of four speakers to provide an overview of how people in federal and state agencies are working to clean up and redevelop brownfields. We'll include some local success stories from Springfield, and information on training and jobs in this field.

## Celebrating Your Strengths, Strengthening Your Inspiration

John Mosimann and Fred Taylor

One of the secrets of effective environmental activists is knowing both their strengths and their sources of inspiration. What might your unique contribution be? In this workshop, we will share stories of work to create a better world and uncover from within them what inspires us and what we hope to offer. We will conclude by expressing our strengths and visions symbolically and celebrating them as a community.

## Community Gardening With Youth

Protectores de la Tierra  
Nuestras Raices, Inc.

Come learn about some exciting community gardening efforts in Holyoke. You will see slides of urban lots transformed into gardens, consider the effect of this change on the community, and learn why youth participate in these projects and what roles they can play.

## The Coverboard Project: A Real World Environmental Science Project

Louise Preissler  
Massachusetts Audubon Society

Meet the redback salamander and learn how you can be involved in the Coverboard Project, an amphibian monitoring project that investigates salamander populations throughout Massachusetts. You will acquire some of the knowledge and skills needed to implement the project, including salamander natural history and skills in amphibian identification, laying out transects on your school grounds with a compass, and uniform data collection.

## Crime Against Your Environment!

Jessica Johnson and Cecily Selden  
UVC-TV19

This workshop is for people who want to learn how to make videos. Using the equipment in the UMass TV station, we will plan (pre-production) and produce a video of a mock trial of an environmental crime. The participants will act in the drama and also learn how to use all facets of the studio's equipment.

## The ECOBUS: Environmental Education on Wheels

Helen Ann Sephton, Jennifer Wiest, and Susan Mitchell  
The Hitchcock Center for the Environment, Amherst

Learn how to lead younger students through hands-on activities that explore our soil, water, and air. We will begin in a classroom with a description of the ECOBUS- a renovated school bus that serves as an environmental education lab on wheels. On board the bus, you will try some of the activities designed for elementary school students. You will leave with lots of ideas!

## Elementary School Environmental Education

Elizabeth Fenzel  
Massachusetts Community Water Watch/AmeriCorps

Learn how you can increase environmental awareness through outreach to elementary schools. This workshop will teach hands-on, interactive lessons that are designed to engage kids in learning about their connection to local waterways and the importance of clean water. We will talk about how these lessons can be used in Earth Day environmental fairs and class presentations, and how to market these ideas to teachers and principals.

## The Fire Experience

Frank Grindrod  
Earth Work Programs

Have you experienced the "power" of fire? Fire making is an art, an ancient skill passed on for generations. This workshop teaches about cultures from around the world who lived close to the earth and had a true "earth connection." Learn to create fire without matches using bow and drill techniques, and rubbing sticks together. There is nothing like holding your first fire!

## **First Flush: Storm Water Best Management Practices**

Lynn DuPuis

UMass Department of Landscape Architecture & Regional Planning

Where does the snowmelt or rain that falls on UMass go? How do we keep this runoff from polluting nearby water resources? We will review the hydrologic cycle and examine the effects of changing land use and development. We will also look at some problems associated with storm water on the UMass campus - pollution, recharge, and flooding - and what best management practices can be implemented to reduce these negative effects.

## **Global Climate Change and Its Effects: What Can We Do?**

Frank Keimig

Department of Geosciences, UMass Amherst

In this workshop you will get some background in the science of climate change from the staff of the UMass Climate System Research Center, including information on global and regional effects. You will also work on developing an action plan - including making people aware, implementing local remedies, and influencing the political process - to help mitigate future climate change.

## **How You Can Help Your Community Grow Smart**

Alison Walsh

U. S. Environmental Protection Agency

What is "sprawl" and how does it affect your community? Through a slide show and discussion, we will look at how the environment, transportation, housing, and economic development are all connected and need to be considered together in planning for the future. You will see your community - and how you live in it - in a new light.

## **Knowing Your Community, Showing Your Community: A Community Assessment Model**

Paul Jahnige

Mass Department of Environmental Management, Urban & Community Forestry

In this workshop you will learn some techniques you can use to get to know your community better and explore local issues. We will use mapping, photography, observation, and charting. You will gain experience with some tools you can take back and use.

## **Living on the Sun and French-Fry Grease**

Ricky Baruc and Deb Habib

Seeds of Solidarity Education Center

If the rest of the world consumed as much as the U.S., we would need 13 more planets for resources and one just to hold the garbage. Learn how you can use renewable energy like solar electricity and vegetable-fueled cars. This workshop will include activities, demonstrations, and discussion.

## **Making Trails Accessible for People of ALL Abilities**

Kathy Lowry and Gini Traub

Massachusetts Department of Environmental Management

Many of us love hiking on trails or walking on beaches. But that is an option for everyone only when special care is taken in how trails and paths are built. How can we make our parks and trails accessible to all people? In this workshop, we will brainstorm and simulate problems and solutions for trail design and use tools for trail assessment and trail construction, emphasizing Universal Access.

## **Map and Compass Basics**

Gini Traub

Massachusetts Department of Environmental Management

Map and compass reading is a low-tech way to greatly enhance your experiences out in the woods. In this workshop, you will learn map and compass basics. We will use the area around the UMass campus pond to simulate finding our way from one place to another in the forest. We will touch on the what, why, and how of correcting for declination. Bring a baseplate-style compass if you have one. There will be a handful of compasses available for sharing.

## **Movin' and Shakin' the Policy Makers: You CAN Fight City Hall**

Iris Vicencio-Garaygay

EarthAction International

This hands-on workshop will analyze one or more global environmental issues and give you powerful tools to make your voice heard on issues that are important to you. Activities will include brainstorming, discussion, and letter writing. Samples, all materials, and step-by-step instruction will be provided.

## **Organizing Large Service Events**

Rachel Wells

Massachusetts Community Water Watch/AmeriCorps

Learn how you can have an impact on environmental issues in your community by planning large events. This workshop will focus on important organizing tools such as planning, fund-raising, and visibility. We will brainstorm different kinds of events and which might work best for your town and your goals. We will discuss how to use a large service event most effectively, and practice planning a large event for your town or school.

First Flush: Storm Water Best Management Practices  
Lynn D'Amato, AIA to share not old ideas but new ones  
**Part Time Farming . . . Wherever You Live!**  
Jill Horton-Lyons and Jim Lyons  
Winterberry Farm

We'll meet and learn how to handle chickens and several kinds of rabbits. We'll talk about garden options for everyone, whether in a city apartment or suburban condo. We'll talk about becoming a suburban forester...and we'll use our hands! Each participant will learn to spin some yarn (and can take the tool home to try dog or cat yarn) and everyone will plant a simple take-home garden. And we'll talk about the fun and the power that can result from these simple actions. At the end of the workshop, you will be invited to meet some larger farm animals in the parking lot!

**The Pesticide Banquet**  
The Food Project

This is a fun game where participants begin by "shopping" for a dinner party and end up realizing that they are shopping for pesticides. Activities include choosing foods, discussion of pesticides and their effects, and selection of a winner of the banquet. Participants will understand the potential health risks of inappropriate or unnecessary pesticide use - to the grower, the eater, and the environment.

**Photographing the Natural World**  
John Green  
Naturalist and Photographer

What does it take to capture the environment on film, whether it's a pretty landscape or blatant pollution? In this workshop you will learn some of the technical ins and outs of still photography - including composition, depth of field, and exposure - which will enable you to better document photographically different aspects of the natural world. You'll also see some good examples of nature photography. No camera required, but bring one if you want to.

**Population and the Environment: Water & Food in 2025?**  
Anita King and Christophe Courchesne  
Sierra Club

What is the environmental effect of population growth in the developing world? What's the effect of our rate of consumption of energy and materials here in the U.S.? Do you know about the connection between the status of women in society (education, jobs, etc.) and the rate of population growth? Come join this video presentation ("Who's Counting?" from National Audubon) and discussion. Learn about a variety of solutions to these global environmental issues, including how you can make a difference.

**Power Shifting: Environmental Action Through Improvisational Theater**  
Hunter Kraft  
Family and Arts Therapist

In this small group workshop, we will use improvisational theater techniques to overcome obstacles and empower ourselves and the earth. We will play physical games designed to encourage brainstorming, assertiveness, and group cooperation. Through the game *Powershifting*, we will practice changing stuck political and environmental systems. Be prepared to move, interact with others, and improvise!

**Questioning Nature**  
Christian McEwen  
Poet

This workshop will be a chance to discover your powers of observation and questioning. With some inspiration from the South American poet Pablo Neruda we will spend some time outdoors taking notes on what we see, hear, smell, and feel. Then we will return indoors to share our reflections and questions on what we found, and write and share poems.

**Sticks & Stones, Mud & Snow: Making Art In, With, and About Our Environments**  
Meredith Broberg  
Artist

We will make temporary sculptures outside, using what we find around us as materials and inspiration. No previous experience or art abilities are required. The important thing is being attentive to our surroundings and inventive about altering them. If time permits, we will look at examples provided by other artists and community groups as a way of brainstorming about how art and art-making can change our experiences, our minds, and our environments.

**Storm Water Site Assessment**  
Ginny Scarlet  
Massachusetts Department of Environmental Protection

Storm water is the most serious and widespread water pollution problem in Massachusetts today. In this workshop you will learn how to inspect an area for its potential storm water impact. We will begin inside, then go outdoors (Be prepared for wet weather!) to use the UMass campus as an example of a kind of land use, and investigate a portion of the campus for potential contaminants. When the group reconvenes inside we will discuss the implications of what we have found. Any surprises? Any action items?

## **Understanding Your Watershed**

Robert L. Ryan and Jack Ahern

UMass Department of Landscape Architecture and Regional Planning

What watershed do you call home? How is development affecting water quality and habitat in your community? In this workshop you will identify a watershed using USGS maps, discuss the impact of development, and think about how you might contribute to watershed planning in your own town.

## **Walk Like a Fox, See Like an Owl**

Walker Korby

This workshop will give you some mental and physical tools to help you become more aware, and connect more deeply with, the world around you. We will be spending some time inside and some time outside learning some ways of moving and seeing across the landscape. We will discuss what it means to be connected to nature and how we can get closer to achieving that connection in our daily lives.

## **What Do We Do With It All? A Solid Waste Overview**

Linda Konvalinka

Applied Proactive Technologies, Inc.

Nature Recycles everything. Can society ever get that efficient? It better try. The ugly truth is that we are generating ever more solid waste. Yes, we are recycling more too, but not nearly enough yet. How do we manage this relentlessly growing waste stream of millions of tons per year in Massachusetts alone? We will look at the available options and sound out the range of people's reactions to and environmental concerns about siting a landfill. By role playing that may require participants to advocate views not their own, we will explore the problem. However disparate our initial perspectives, we must reach consensus or we will find ourselves up to our necks in "it".

## **What is it? The Connection Between a Wetland and a Watershed**

Youth STAR Conservation Crew

Roca, Inc.

This is a fun and interactive workshop that uses educational activities, games, and working groups to understand the water cycle, what a wetland is, and how a wetland functions in a watershed. We'll make everyone a happy environmentalist! Informational materials will be available.

## **What is the FTAA and Why Should I Care About it?**

Kate Harris and Brent Was

Western Massachusetts Greens

What is the Free Trade Area of the Americas? How might this international trade agreement affect the environment? How might it affect you and your community? In this workshop you will take a look at trade agreements from an environmental perspective. You will also think critically about the values behind

different points of view and how trade issues are presented in the media.

Activities will include brainstorming, small group discussion of case studies, and imagining alternative futures.

## **Who's Got the Power?**

Wendy C. Marcks

UMass Extension, 4-H Youth & Family Development Program

This workshop is about creating and building youth/adult partnerships to make a difference on issues that are important to you. What power do YOU have to change things? How can you use it? In this workshop we will work in small groups on issues you choose, and practice the technical and interpersonal skills necessary to make your issues known and to influence public policy makers.

## **Why Have Zoos?**

Carol Davies and Nancy Condon

Zoo in Forest Park, Springfield

What is a zoo, and why do zoos exist today? Zoos have an interesting history and important function in society today. From personal menageries of the wealthy, to environmental education centers of today, zoos have evolved to meet the needs and interests of cultures around the world. This workshop provides a hands-on experience with a variety of indigenous and exotic live animal species, while focusing on the animals' status in the wild, the importance of biological diversity, wildlife preservation, habitat loss, pollution, commercial harvesting, and conservation. Participants will observe and hold animals, learn about diets, behavior, and habitat requirements. They will learn how zoos are changing to help animal species in the wild through education and captive breeding programs. This workshop will specifically focus on the animal collection and mission of the Zoo in Forest Park.

## **The Word in the Wild: Writing and the Wilderness Experience**

Wes Blixt

UMass Extension Office of Communications

Our best writing, our most important writing, takes place outside the classroom. As a matter of fact, humans learned to record their stories not by sitting around in rooms, but by tracking and trekking and climbing and paddling and most of all, by carefully observing the natural world around them. The very act of writing is echoed in these activities. Perhaps that is why some of our best literature is about the wild. Join us for a little adventure, outside and on paper. Don't forget to dress warmly, wear boots, and bring a pencil and paper. You never know what will happen . . .

## **Writing For Action**

Tina Browne

Western Massachusetts Writing Project

How can you present an issue in a way that will get people to DO something? Working in teams, you will define an issue that you want to bring to a particular public, decide on the best approach (a brochure or flyer? a letter to the editor? a letter to a town official?), and begin to write for action.

## UMass EnviroTrek

The EnviroTrek is an opportunity for conference participants to meet informally with UMass faculty, staff, and students - in laboratories, offices, and other workplaces - to learn how their work relates to the environment.

On Friday afternoon, small groups of Earth Connection participants fan out across the campus to explore the University's many environmental connections. Each group receives a map and a list of places to find and times to arrive.

Earth Connection wishes to thank the following members of the UMass community who volunteered their time on a Friday afternoon to demonstrate that this is a campus that is taking action for the environment.

**Leonard Adams** *Librarian, Government Documents*  
Government Documents Collection

**Lisa Appleton** *RN, Graduate Student in Nursing*  
Medical Waste

**Glenn Barrington** *Assistant Manager, UMass Transit*  
Buses, Public Transportation, and the Environment

**Jason Burbank** *Campus Energy Engineer*  
Energy Conservation

**Tim Cassidy** *Peace Corps Campus Representative*  
Agroforestry in Dryland Africa

**Lyle Craker** *Professor, Plant and Soil Sciences*  
Aromatic and Medicinal Plants

**Dave Damery** *Lecturer, Department of Natural Resources Conservation*  
Landowner Forest Cooperatives

**Judith Davidov** *Professor, English/American Studies*  
Environmental Poetry

**Salvatore DiNardi** *Professor and Chair, Environmental Health Services*  
Occupational Health and Safety

**Katherine Doyle** *Collection Manager, Biology*  
Natural History Collections

**Jim Dutcher** *Graduate Student, Geosciences*  
PCB's in the Hudson and Housatonic Rivers

**Larry Feldman** *Librarian, Biological Sciences*  
Library Research

**James Field** *Hazardous Waste Officer, Environmental Health and Safety*  
Hazardous Waste

**Marc Fournier** *Assistant Director, Grounds Management*  
Sustainable Operations Initiative

**Chris Gaffney and George Roberson** *Graduate Students, Department of Geography*  
Geographic Exploration and Discovery

**David Glassberg** *Professor, History*  
Environmental History

## 2008 EnviroTrek Participants

**David Goodwin** *Project Manager, Natural Resources Conservation*  
Map Making with Remote Sensing

**Robert Hendry** *UMass RideShare Transportation Coordinator*  
Car Use and Air Quality

**Claus Holzapfel** *Professor, Biology*  
Plant Ecology

**Martha Kegeles** *Director of Student Recruitment, College of Food & Natural Resources*  
Academic Majors in the College of Food and Natural Resources

**Frank Keimig** *Manager, Climate System Research Center, Geosciences*  
Climate Change

**Paul Kostecki** *Research Associate Professor, Environmental Health Sciences*  
Soil Contamination

**Bruce Krasin and Tara Devirian** *Lab Technician and Student, Department of Nutrition*  
Blood Analysis

**Jon Lloyd** *Visiting Scientist, Department of Microbiology*  
Bacteria and Soil Remediation

**Linda Lowry** *Associate Professor of Hotel, Restaurant, and Travel Administration*  
Sustainable Tourism

**Lorenzo Macaluso** *Special Projects Coordinator, Office of Waste Management*  
Recycling at UMass

**Yung Morgan** *Environmental Hygienist, Environmental Health & Safety*  
Laboratory Safety and Environmental Health

**Dave Pielock and Brian Konieczny** *Landscape Services, Physical Plant*  
Pruning for Safety

**Jeff Price** *Mechanical Utilities Manager, Physical Plant*  
Campus Steam and Water Systems

**Robert Ryan** *Assistant Professor, Landscape Architecture & Regional Planning*  
Greenway and Trail Planning

**Gail Schumann** *Associate Professor, Microbiology*  
Plant Diseases

**Larry Snyder** *General Manager, Fleet Services, Physical Plant*  
Electric Cars at UMass

**John Stranlund** *Associate Professor of Resource Economics*  
Environmental Policy at UMass

**Michael Switzenbaum** *Professor of Civil and Environmental Engineering*  
Drinking Water and Wastewater Treatment

**Brooke Thomas** *Professor, Anthropology*  
Environmental Anthropology

**Jim Tocci** *Radiation Safety Program Manager, Environmental Health & Safety*  
Radioactive Materials

**John Tristan** *Director, Durfee Conservatory*  
Tour of Durfee Conservatory

**Judith Young** *Professor, Astronomy*  
Demonstration of the UMass Sunwheel

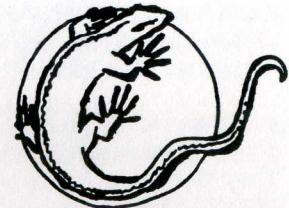
## Roundtables at Earth Connection 2001

Roundtables are freewheeling small group discussions led by Earth Connection teams on topics of their choice. They are an informal opportunity for teams to share ideas, questions, and earth connections. Advisors are present only for the last part of the session, and even then are urged to keep a low profile. Evaluations show that this is the most popular and powerful part of the conference, offering an experience that is unusual in high school education.

Each team prepares a roundtable topic, starting with the places and issues that matter in their own neighborhood. Some share information about their current projects or issues that concern them, others simply introduce their communities to others at the conference. Teams bring everything from raw data to poetry, photos and maps, and even environmental samples, to make their points.

EC 2001 roundtable topics included:

- ▶ Earth Day Fair 2000
- ▶ Rain Forests
- ▶ Saving of Lake Massasoit, Building an Urban Park
- ▶ Wetlands - Vernal Pools
- ▶ Protectores de la Tierra
- ▶ Organizing a Theme Study at Your School
- ▶ West Nile Virus in Massachusetts
- ▶ SOL Garden Cultivates Environmental Leadership
- ▶ Stormwater Management
- ▶ Leatherback Sea Turtle Conservation Team
- ▶ Plays, Earth Day Celebrations, and Simple Things You Can Make
- ▶ Water Quality in Long Pond
- ▶ Stormwater Management in Methuen
- ▶ Water Quality Testing - Prince River
- ▶ Wastewater Treatment on a Sandbar
- ▶ Reusing Junk
- ▶ This Pitcher's a Catcher: An Animal-Eating Plant
- ▶ Youth Environmental Leaders at the New England Aquarium
- ▶ Rainforests: Information and Action
- ▶ Trail Design and Maintenance in Westborough
- ▶ The Food Project's Urban Agriculture Work
- ▶ Boylston Earth Day Poster & Game
- ▶ It's Easy Being Green ... BUILDING Green That Is!



## Schools and Community Environmental Research

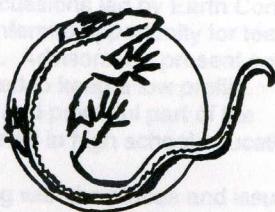
*Friday 7:00 Advisors Roundtables: An informal discussion with Molly Schauffler, National Science Foundation Postdoctoral Fellow, Department of Geological Sciences, University of Maine.*

As part of her fellowship with NSF, "Using Community-based Environmental Research as a Tool for Reforming Science Education in Small Communities," Dr. Schauffler has been interviewing teachers in Maine and throughout New England. Her question: Can secondary students produce useful scientific data while learning environmental science and practicing environmental stewardship? Questions for discussion will include:

- In what ways are middle and high school students currently engaged in local environmental monitoring/research?
- Is youth involvement in environmental research successful from an educational standpoint? From a scientific standpoint?
- What factors contribute to the success of youth involvement in environmental research projects and what are limitations to this approach? What are the frustrations and rewards for teachers?

## Roundtables at Earth Connection 2001

Roundtables are free-wheeling small group discussions led by Earth Connection team members of your choice. They are an interactive opportunity for teams to share ideas, concerns, and earth experiences. They are a great way to learn about the conference and even then are the best way to learn about the environment. This is the most informal and open experience that is available at the conference.



Each team prepares a roundtable topic, stating reasons why and issues that matter in their own neighborhood. Some share stories about their current projects or issues that concern them, others sing out those of their commitment to others at the conference. Teams bring everyone along with poetry, photos and maps, and even environmental samples, to make their points.

EC 2001 roundtable topics include:

- Earth Day Fair 2000
- Rain Forests
- Saving of Lake Massasoit, Building an Urban Park
- Wetlands - Vernal Pools
- Protectores de la Tierra
- Organizing a Thrive EC
- West Amo View in Amherst

## LATER Friday Night:

Try these activities on the first floor of the Campus Center. See the board at the Information Table for rooms.

- Create your own Earth Connection button
- Dance the night away to music spun by UMass Student DJ's
- Play four square, dodge ball, or a myriad of other games
- Play a round of night time frisbee golf
- Watch a video
- Watch some real stars through a UMass telescope
- Snack on cookies, lemonade, and chips
- Listen to cd's
- Play cards

The party ends and quiet hours begin at 11:00. In your rooms with doors closed by midnight.

## NOTES

Earth Connection 2001  
Alumni & Friends

Marlene Kehnlein

Bob Kehnlein

2001 EC

Earth Connection 2001

# Earth Connection Staff, Volunteers, and Friends

Earth Connection 2001 was made possible through the time, energy, and ideas of many people, starting with the high school youth, college students, educators, and resource people who gave us feedback at Earth Connection 2000.

In addition to the workshop presenters and EnviroTrek site hosts listed in this program, we would like to thank the following individuals for their generous help. They have made this event possible! Our apologies to others who volunteered since this list went to print.

## EC 2000 Steering Committee

Will Snyder	UMass Extension
Sarah Spalding	UMass Extension
Laura Hall	UMass Extension/UMass Outreach
Robert Hayashi	UMass graduate student, American Studies
Kelly Johnson	UMass graduate student, Education
Kirsten Johnson	UMass student, Environmental Sciences
Walker Korby	Wilderness Awareness School
Julie Meyer	Tikkun Olam
Joanne Mackiewicz	UMass Extension
Lisa Maria Andreoli	UMass student, Comparative Literature
Wendy Marcks	UMass Extension
Steve Cleaver	Horizons for Youth
Junie Wong	UMass student, Environmental Sciences
Rita Renee Toll-DuBois	UMass Extension
Karen Barshefsky	UMass Extension
Lori Thayer	UMass graduate student, Anthropology

## UMass EnviroTrek Planning

Robert Hayashi	UMass graduate student, American Studies
Will Snyder	UMass Extension
Kirsten Johnson	UMass student, Environmental Sciences

## UMass Guides

Lisa Maria Andreoli	UMass student, Comparative Literature
Alison Ball	UMass student, Resource Economics
Melissa Beaudoin	UMass student, Environmental Sciences
Katie Bednaz	UMass student, Environmental Sciences
Meredith Borenstein	UMass student, Natural Resource Studies
Neill Bovaird	UMass student, Natural Resource Studies
Laurie Buckman	UMass student, Computer Science
Liz Burrows	Mt. Holyoke College student, Environmental Studies/Math
Nick Constantiou	UMass student, Environmental Sciences
Cate Feener	UMass student, Environmental Sciences
Andrew Foley	UMass student, Environmental Design
Jason Fossella	UMass student, Classical Languages
Ariele Foster	Hampshire College student
Rivkah Friedman	UMass student, Communication
Erin Gillis	UMass student, Geology
Laurel Heisman	UMass student, Communication

Michelle Kehylian	UMass student, Environmental Design
Deanna Levanti	UMass student, Environmental Sciences
Lauren McDonough	UMass student, Spanish & Elem Education
Bridget McFarland	UMass student, English
Diana Moore	UMass student, Microbiology
Amy Olanyk	UMass student, Environmental Sciences
Carla Pignatere	UMass student, Environmental Sciences
Sandra Puyo	UMass student, Environmental Sciences
Kim Rozenfeld	UMass student, Biology
Eron Sandler	Hampshire College student
Jeff Strykowski	UMass student, Environmental Sciences
Melissa Swift	UMass student, Environmental Sciences
Julie Vander Ploeg	UMass student, Environmental Sciences
Junie Wong	UMass student, Environmental Sciences

## Conference Designs & Graphic Art

Joanne Mackiewicz	UMass Extension
Julie Meyer	Tikkun Olam
Junie Wong	UMass student, Environmental Sciences

## Conference Program & Logistics

Will Snyder	UMass Extension
Kelly Johnson	UMass graduate student, Education
Julie Meyer	Tikkun Olam
Laura Hall	UMass Extension/UMass Outreach
Kirsten Johnson	UMass student, Environmental Sciences
Lisa Maria Andreoli	UMass student, Comparative Literature
Walker Korby	Wilderness Awareness School
Lynn Wright	UMass Conference Services
Mary Terry	UMass Conference Services
Lisa Appleton	UMass graduate student, Nursing
Lori Thayer	UMass graduate student, Anthropology

## Earth Connection Web Site

Thomas Bunnell	UMass Extension
Arun Rao	UMass student
Raul Lorenzo	UMass Extension
Will Snyder	UMass Extension

## Support & Connections

Steve Demski	UMass Extension
Shirley Mietlicki	UMass Extension
Bob Schrader	UMass Extension
Joe Shoenfeld	UMass Extension
Liz Basara	UMass Extension
Molly Schauffler	University of Maine
Wes Blixt	UMass Extension
Victoria Woodward	UMass student
Sarah Brillo	UMass student



# EnviroTrek Notes

Site # Name Topic

Earth Connection 2001 officially closes on Saturday, June 16th. Activities will continue on Sunday, June 17th. We will have several rooms available for writing and discussing topics of interest.

- Continued conversation with the UMass Extension faculty of Earth Connection about how school involvement can affect research in the community.
- A chance to speak and write your mind about the future of Earth Connection.
- More opportunity to learn about UMass Extension students who helped out at Earth Connection.
- A chance to explore with Extension youth on interests so that new interests will be understood better what EC is about.

Do you have a displayed topic to add to the bulletin board? If so, add it to the information table at the front of the room and then when you post a topic and connect with other people, you can add it to the board.

## Earth Connection 2001 Expectations and Responsibilities

UMass Extension assumes that Earth Connection participants are responsible young adults who will follow conference guidelines and UMass rules. Every effort will be made to provide a safe, fun event. For the sake of a good experience for all participants, disruptive behavior will not be tolerated.

**Each team is responsible for the actions of its members.** If the conference coordinators, in consultation with a team and its advisor, determine that laws have been broken or that the team is not able to control disruptive activity by a member, the whole team will be asked to leave the conference.

### Participant Agreement

I agree to follow conference guidelines and cooperate with rules set by UMass. I understand that if my behavior becomes disruptive, my team will be dismissed from the conference. I will:

- ✓ Act in ways that bring credit to my community and school.
- ✓ Take care of UMass, and help leave the campus better than we found it.
- ✓ Participate in all conference activities.
- ✓ Stay in groups of two (at least) and keep my team and advisor informed of my plans and whereabouts.
- ✓ Socialize in the halls but not in other people's hotel rooms.
- ✓ Observe quiet hours beginning at 11:00 and be in rooms by 12:00 midnight Friday night.
- ✓ Follow UMass and Campus Center rules and applicable laws.

NAME: \_\_\_\_\_

TEAM: \_\_\_\_\_

UMass GUIDE: \_\_\_\_\_

An action conference for the environment, for teams of high school-age young people and their advisors

For information contact:

413/545-3876 or [econnect@k12s.phast.umass.edu](mailto:econnect@k12s.phast.umass.edu)

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**UMass 4-H: Learn by Doing**

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# EARTH CONNECTION

at UMass Amherst

2001



United States Department of Agriculture cooperating

March 2-3, 2001