

Living With The Land:

Interdisciplinary Research for Adaptive Decision Making



McGill University



The Society for Human Ecology
Tenth International Conference -- 1999
Macdonald Campus, McGill University, Montreal, Canada

Vision for She-X

The Tenth International Conference of the Society for Human Ecology

This may be one of the few conferences this year that does not have the word "millennium" in the title, and yet if there is one defining characteristic of the closing of this millennium, one ultimate challenge for the next millennium, it is, perhaps, recognition of the need to learn to "live with the land."

From Saint Francis to Chief Seattle to Aldo Leopold, there is an ever stronger and more widespread understanding that the human experiment is founded on the capacity for us to practice a sustainable human ecology. We must learn to live with the land and, in order to do that, we must learn to live with one another. This is the autecology of the human species, and if we get that figured out, the real excitement comes: participating as the human potential evolves and elaborates.

But as we meet -- stimulating company in pleasant surrounds -- bombs are still falling.

We have a ways to go.

Meetings like these are a part of the process of moving us in the right direction. Wherever thoughtful and committed people come together to exchange ideas and also to live and work together, there is hope. Partnerships between academics and communities can bring interdisciplinary perspectives to where it matters most: to people who make the day-to-day decisions about how to live with our environment. If each of us takes away something that help make a difference, then the meeting has been a success.

Acknowledgments for SHE-X

If the meeting is a success, it will not be by accident. SHE itself is to be acknowledged for the history and momentum that led up to this meeting. McGill University -- the Geography Department (Tim Moore), The McGill School of Environment (Peter Brown), The Faculty of Science (Alan Shaver) and the Faculty of Agriculture and Environmental Science (Deborah Buszard) -- responded enthusiastically to the idea of hosting SHE and have each made significant contributions. Pricewaterhouse Coopers is also a major sponsor. We have had generous support from the Ville de Sainte Anne de Bellevue and many of the small businesses in the village. Sincere thanks go to each of these contributors.

Ultimately, even with strong support, success rests with people: The Local Arrangements Committee of Jim Fyles, John Henning, Eric Laferrriere, and Joan Marshall, the student and community volunteers and the truly remarkable and dedicated Conference Office staff: Gloria Dangerfield and Jane Wheatley -- who penetrated every maze assiduously and weathered every storm with aplomb.

To all, thanks.

*The SHE Conference Committee: Rich Borden, Mel Cote, Tom Deitz, Cheryl Hochman, Thom Meredith, Jonathan Taylor, and Scott Wright
Montreal, May, 1999*

Welcome

... to SHE-X,

... to Macdonald Campus of McGill University and
... to Ste Anne de Bellevue

*H.G. Wells, best known for his science fiction thriller **War of the Worlds** was also a serious historian and futurist. In 1934 he said "sooner or later human ecology will win its way into academic recognition." With ever-growing concern about how humans fit into their environment, it would seem that time has come. Over 250 scholars from over 31 countries are here to discuss human ecology.*

This is the first time the conference has been held in Canada. McGill was chosen as the site to mark the inauguration of the McGill School of Environment (MSE). The MSE and SHE are both dedicated to bringing interdisciplinary perspectives to solving environmental problems. Both are premised on the belief that constructive change is possible.

In addition to the over 150 papers, there are four distinguished keynote speakers, a banquet with live local music and a wonderful campus on which to relax and enjoy SHE's rich mix of scholars and community group leaders. In addition, you will find Ste Anne de Bellevue to be an interesting and welcoming community. There are two special events Friday evening (see later in the program) and many of the local businesses have contributed to sponsoring our conference, so, of course, they will be pleased to see you. Students who are part of McGill Panama program have also planned some activities.

It should be a full and rewarding few days.

The registration desk will be open for most of the time, the Panama students will have an information kiosk, and, outside normal hours, Campus Security is always available to help or answer questions.

Enjoy your stay.

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Map of Macdonald Campus

Key Note Speakers

Peter G. Brown, known internationally for his work on public policy, ethics and the environment, is the first full time Director of the McGill School of Environment. Before coming to McGill, Professor Brown was the founder and Professor in the School of Public Affairs. Professor Brown is a prolific author. His subjects range from radioactive waste management to population policy and ethics to human rights and global environmental politics. He is currently writing a trilogy, which includes *Restoring the Public Trust: A Fresh Vision for Progressive Government in America* (Beacon Press, 1994) and *Ethics, Economics, and International Relations* (Edinburgh University Press, in progress). The third volume is to be an essay on trusteeship and the moral foundation of public service. Dr. Brown is also involved in a number of Conservation committees and in tree farming in Maryland and Maine. In 1995 he was named Tree Farmer of the Year in Garrett County, Maine!

David MacDonald grew up in Prince Edward Island. He has been very active in community development, politics, and academia both in Canada and overseas for over thirty years. Ordained as a United Church Minister in 1961, MacDonald has held a wide variety of roles within the religious community. From 1965-1979, MacDonald was a member of the Canadian House of Commons. In 1979, he was Appointed Secretary of State, Minister of Communications and Minister Responsible for the Status of Women. During this time, Mr. MacDonald was involved in investigations into various international issues, including Human Rights violations in Chile, Argentina and Uruguay. In 1984, MacDonald was appointed Canadian Emergency Coordinator/African Famine and Canadian Ambassador to Ethiopia, Sudan and Djibouti. His involvement in development in Africa has continued-he has served as the President of Partnership Africa Canada and the Chair of the Global Network Food Security. Since 1995, he has been teaching at Concordia University in the Schools of Community and Public Affairs and Ecotoxicology. His most recent appointment is as Special Advisor to the United Church Committee on Residential Schools.

Evan Eisenberg was born and raised in New York City. He studied philosophy and classics at Harvard and Princeton and biology at the University of Massachusetts at Amherst. Eisenberg is the author of two novels. The most recent book, *The Ecology of Eden* (Random House Canada) examines humankind's role in nature, both real and imagined. Mr. Eisenberg's first book, *The Recording Angel* (McGraw Hill and Penguin), a study of the cultural impact of recorded music has been translated into French, German, and Italian. His writings on nature, culture, and technology have appeared in *The Atlantic*, *The New Republic*, *The Village Voice*, *Natural History*, *CoEvolution Quarterly*, and other periodicals. He has been a music columnist for *The Nation*, a synagogue cantor, and a gardener for the New York City parks department. He recently moved back to Manhattan with his wife and daughter, after a long sojourn in rural western Massachusetts.

Shaista Pervaiz is the Pakistani Leader of the Tripartite Community Development Project: Nepal, Pakistan and Quebec Project. This is a sustainable development project that aims to empower women through community education in order to strengthen family and communities. She is a home economist and community development leader in Pakistan. She has been involved in the Basti Saidu Shah Project since its inception in 1989, and as such has been instrumental in forging linkages between NGOs and various levels of governments in Pakistan. She established a variety of educational and community development projects and brings a wealth of experience to the new tripartite project that involves Canada, Nepal and Pakistan.

SPECIAL EVENTS

Thursday 27 May

- Reception hosted by the McGill School of Environment

Speeches:

- * Zena Daysh, president of Commonwealth Human Ecology (CHEC).
- * Peter Brown, director of McGill School of Environment: "Forging a New Macroeconomics".

Music:

- * *Thin Ice* (Margaret Livingstone, Mark Lewis, Alan Brown, and Margo Keenan) is an *acappella* quartet which will be singing Jazz, Pop, and Duop. The group has been together for about three years doing gigs around Montreal.
- * Ian Gray, Ray Farquhar, and Renny Grigg will perform an acoustic mix of folk, blues, and other good stuff.

When: 6 to 7 p.m.

Where: Ceilidh Bar (Centennial Center on campus).

- Banquet is composed of a variety of delectable Pakistani curries and deserts.

When: 7 to 8 p.m.

Where: Ceilidh Bar (Centennial Center on campus).

Cost: Free for those who have registered. All others will be charged 15\$.

Friday 28 May

- "Night of the Blues" Featuring *Dean Cottrill*. Dean is an accomplished musician who has been refining his style for over 20 years, mostly on the scene in Western Canada. He is a guitarist in whose style you'll hear the blues, Jazz and Rock&Roll.

When: 9 p.m.

Where: Resto-Bar Bellevue. 70 Saint Anne Street. (One of our sponsors!)

Cost: 6\$

- Coffee House Folk Music. *Penny Lang* is a Montreal veteran who has played her mix of folk-country-blues-gospel around the country and the globe. The opening act will be *Sarsaporilla*.

When: 8 p.m.

Where: Coffee House Blues. 24 Maple Ave. (right beside the campus).

Saturday 29 May

- BBQ Lunch (veg. and carnivore) and Bus tour of Montreal with the Panama Students Society.

All proceeds go to funding an academic exchange program that sends local university students to Panama in order to participate in apprenticeships in development. The Bus Tour will show both the touristy and the alternative sides of Montreal.

Contact people: Jeff (514)287-0737 & Marc (450)671-0190

When: Lunch meets at 12:45 Bus Departure time: 4 p.m. (meet at 3:30).

Where do they meet: Centennial Center on campus.

Cost: Lunch is 6\$, Bus Tour is 14\$.

Program Summary

Wednesday, May 26		
02:00 pm	Registration & Open Bar (Ceilidh)	Centennial
Thursday, May 27		
7-8:30 am	Breakfast	Stewart Hall
Keynote		
9-10 am	David MacDonald - "Creating an agenda for Living with the Land: The politics of Sustainability, Community and Hope.	Casgrain
10-10:20 am	Coffee Break	
10:20-12	Sessions	Session Number Room
	Decisions, Management & Analysis I	1a R2-045
	Sustainability & Development I	2a R2-046
	Water & Development	3 R3-048
	Evaluating interdisciplinary research for sustainable development: How do we know when we are doing well, how do we convince others?	4 R2-042
	Home economists empowering women through community education	5 R3-045
	Population, aging & disease	6 R3-011
12-1:30	Lunch	Stewart Hall
1:40-3:20	Sessions	Session Number Room
	Decisions, Management & Analysis II	1b R2-045
	Sustainability & Development II	2b R2-046
	Philosophical perspectives	7 R3-048
	Institutions, economics & globalization I	8a R2-042
	Human Ecology - Shaping Micro Decisions with Implications for the Macro Environment	9 R3-045
	Quality of life	10 R3-011
3:20-3:50	Coffee Break	
3:50-5:30	Sessions	Session Number Room
	Institutions, Economics & Globalization II	8b R2-042
	Hybrid Spaces in Human Ecology	11 R2-045
	Coastal and Marine I : Integrated Coastal Management	12 R2-046
	Making Nature out of Nothing	13 R3-048
	Ecological Transitions: Perceived Social support in Family and Community Change	14 R3-045
	Human Ecology and Wildlife	15 R3-011
	Roundtable: Examples of Sustainable Communities from Around the World	35 R3-035
Reception		
6-7:00	<u>Keynote</u> - Peter Brown 'Forging a New Macroeconomics.' Zena Daysh - President of Commonwealth Human Ecology	Centennial
7-8:00	SHE Banquet Mix of Pakistani curries and desserts	Centennial
8-11:30 pm	Entertainment Featuring Thin Ice & The Ian Gray Trio	Centennial

Time		Friday, May 28	
7:00-8:30 am	Breakfast		Stewart Hall
9-10:40 am	Sessions	Session Number	Room
	Roundtable: How Human Ecology Can Help Save Democracy.	16	R3-035
	Urban Ecosystems	17	R2-045
	Aspects of Decisions for Preventative Medical Improvement	18	R3-048
	Wooping the Earth	19	R2-042
	Ecotourism Society I - "Interdisciplinary Planning and Development".	22a	R3-011
	Student Session I	21a	R2-046
10:40- 11:00	Coffee Break		
	Keynote		
11:00- 12:00	Evan Eisenberg - "Earth Jazz: The art and Science of Living with the Land"		Centennial
12-1:30	Lunch		Stewart Hall
1:30-3:10	Sessions	Session Number	Room
	Ecotourism Society II	20b	R3-011
	Student Session	21b	R2-046
	Coastal and Marine II: Fisheries	22	R2-045
	Values, Attitudes and Emotions I	23a	R3-035
	Improving Science Through Public Participation I	24a	R2-042
	Education I- "Project-based learning"		
	Joint Symposium, Society for Human Ecology/Alliance for Green Education	25a	R3-048
3:10-3:50	Coffee Break		
3:50-5:30	Sessions	Session Number	Room
	Values, Attitudes and Emotions II	23b	R3-045
	Improving Science Through Public Participation & Environmental Decision Making II	24b	R2-042
	Education II	25b	R3-048
	Coastal and Marine III: Sustainable Coastlines	26	R2-045
	Ecotourism	27	R3-011
	Presidents Forum	28	R3-035
	Student Session	21c	R2-046
Evening	Ecotourism Society Reception (Everyone welcome) Coffee House & Blues at Union Hall (24 Maple) Featuring Penny Lang Blues Night at Belle Vue Resto Bar		
Time		Saturday, May 29	
8-9 am	Breakfast (Stewart)		
9-10:40 am	Sessions	Session Number	Room
	Spatial Perspectives	29	R2-045
	Strategy and Adaptation	30	R2-042
	Family, Community and Habitat	31	R3-048
	Managing Landscapes	32	R3-011
	International forum	33	R3-035
	Community-Based Decision Support	34	R3-045
	Student Session	21d	R2-046
10:40- 11:00 am	Coffee		
	Keynote/Business		
11-12:45	Shaista Pervais - 'International networking for sustainable community and hope'		Centennial
12:45 PM	End/Lunch		Centennial
03:30 PM	Alternative Montreal: Bus Tour		

NAME**INSTITUTION****COUNTRY****TITLE OF PAPER**

**Session # 1a Decisions, Management and Analysis -
Thursday, 10:20 - Room R2-045**

Chair - Frederico Dickinson

Bonnell, Joe The Ohio State University USA

Belief clarification: a tool for improving community-based watershed management.

Brown, David T. Brock University Canada

From garbage cans to gigabytes: principles, policies and practice of sustainable integrated waste management in Thailand.

Bunch, Martin J. & Dudycha, Douglas University of Waterloo Canada

The Cooum river environmental management decision support system: a prototype system for scenarioanalysis using environmental simulation modeling.

Dudycha, Douglas & Bunch, Martin J. University of Waterloo Canada

Rehabilitation of the Cooum river: An adaptive management approach.

Dickinson, Frederico T.Castillo & D.Viga CINVESTAV-Merida Mexico

Decision making and natural resources in a Mexican community.

**Session #1b Decisions, Management and Analysis II -
Thursday, 1:40 - Room R2-045**

Chair - William Hipwell

Hipwell, William Carleton University Canada

Scaling down: local/traditional ecological knowledge ecological micro-management in bioregional communities.

Chowdhury, S., Devuyt, D. Hens Luc. Vrije University Brussels

Decision making for sustainable transportation requires the integrated approaches of EIA, SIA, SA.

Rosado-May, Francisco, B.Prezas Hernandez L.Coba Cetina University of Quintana Roo Mexico

The complexity of determining the influence zone of a protected area: the case of the marine turtle sanctuary in the x'cachel, Quintana, Roo, Mexico

Ruiz, Juan (presenter) & Moreno, Marta Universidad Autonoma de Madrid Spain

Content analysis of information on health and the environment in internet

Bullinger, Henrietta George Mason University USA

Public participation in environmental policy making: Chesapeake Bay and Policy Implementation

Session # 2a Sustainability and Development I - Thursday,
10:20 - Room R2-046

Chair - Rusong Wang

Harris, Craig & Worosz, Michelle	Michigan State University	USA
Khan, T. I.	University of Rajasthan	India
Novellino, Dario	Botanical Gardens of Naples - Federico II University	Italy
Stacey, Cynthia & Plummer, Ryan	University of New Brunswick	Canada
Wang, Rusong	Chinese Academy of Sciences	China

The pit and the pendulum: Coevolutionary change in the tart cherry agroecosystem.

Biodiversity conservation for future in the Indian desert

Re-balancing relationships and helping the world: An alternative view to ecological sustainability from Palawan forest (Philippines).

Lessons in sustainable development from community-based water management organizations in New Brunswick

Eco-sustainability, planning of Hainan island, China

Session # 2b Sustainability and Development II - Thursday, 1:40 - R3-048

Chair - Thomas Hudspeth

Hudspeth, Thomas R.	University of Vermont	USA
Hemasiri, K.M. Chadrajith DeSilva, A.L. Manukulasuriya, D.A.d eS.	Ambalangoda Environmental Protection Youth Front	Sri Lanka
Kulathilaka, I. Rajapaksha, T. Singhe, G.	South Net Ambalangoda Development Foundation	Sri Lanka
Boivin, Joseph	University of Ottawa	Canada
Jillian Hovey	University of Toronto	Canada

Sustainability initiatives in the Burlington, Vermont, community.

Adsorption of Paraquat in selected Sri Lankan soils.

Global climatic changes and the ocean around Sri Lanka

Global Y2K update.

Y2K: A catalyst for sustainable development.

Session # 3 Water and Development - Thursday, 10:20 - Room R3-048

Chair - Erica Hackenitz

Gil Mora, Eduardo	Andean Institute of Ecology and Development	Peru
Hackenitz, Erica & Senzanje, A.	Netherlands Institute of Primary Health Care - Nivel University of Zimbabwe	The Netherlands & Zimbabwe

Environmental sanitation: a priority need in rural communities.

Methodology to assess the impact of small-scale irrigation on community health in Zimbabwe. Parts 1 and 2

Idris, Mohammed

Independent
Researcher

Canada

Farakk: A threat to the ecological health of
northern Bangladesh

Session # 4 Evaluating interdisciplinary research for
sustainable development: How do we know when we are
doing well, how do we convince others? - Thursday, 10:20 -
Room R2-042

Chair - Ann Dale

Session # 5 Roundtable : Home Economists Empowering
Women Through Community Education - Thursday, 10:20
- Room R3-045

Chair - Marilyn Metz

Metz, Marilyn

Dawson College

Canada

Roundtable: Home economists empowering
women through community education -
Mediator

Devi, Lila

Home Economists

Nepal

Background, current status and needs for
development education of women in Nepal.

Pervais, Shaista

Pakistan Home
Economist

Pakistan

Background, process and model developed
for work in Lahore.

Sharma, Indira

Home Economists

Nepal

Gold Hunga: A community in transition ready
for change.

Taslim, Nasim

College of Home
Economics

Pakistan

Lessons learned in the Pakistan project and
their transfer to Nepal.

Zafarullah, Shireen

Pakistan Home
Economist

Pakistan

Lessons learned in the Pakistan project and
their transfer from Pakistan to Nepal.

Session # 6 Population, Aging and Disease. - Thursday,
10:20 - Room R3-011

Chair - Scott Wright

Cheetham, Tom

College of the
Atlantic

USA

Geographies: persons, places, things.

Moon, Zola & Farmer,
Frank

University of Arkansas

USA

A population density surface and human
settlement patterns.

Wright, Scott

University of Utah

USA

In search of Arcadia: environmental and
economic impact of retirement communities

Session # 7 Philosophical Perspectives - Thursday, 1:40 -
Room R3-048

Chair - Ann Frisch

Day, Matthew

Duquesne
University

USA

Nature: The view from home.

Frisch, Ann	University of Wisconsin	USA	Activism in Cyberspace: Thwarting the United States government waterfowl holocaust.
Hong, Zhou	Yunnan University	China	An ecological analysis of civilization and tradition of green culture
Kritskaya, Olga	Michigan State University	USA	Sustaining spirituality: learning about the self
Kurlfink, Edwin	Michigan State University	USA	Aesthetic intuition and rational evolution: the ecological decision in the new-age of reason.

**Session # 8a Institutions, Economics and Globalization I -
Thursday, 1:40 - Room R2-042**

Chair - Mary Lokhaiser

Lokhaiser, Mary	University of Illinois at Urbana-Champaign	USA	Qualitative study of environmental justice in Robbins, IL
Viquar, Sarwat	McGill University	Canada	Modernization and cultural transformation: Changed domestic housing patterns in Karimabad, Pakistan
Hanada, Annette	George Mason University	USA	Culture and environmental perceptions among German and Japanese.
Kuras, Mecislav	Institute of Chemical Technology,	Czech Republic	Cleaner production as a tool for environmental planning and decision making improvement.
Ruddy, Thomas & Seifert, Eberhard	RuddyConsult	Germany	Environmental and social indicators in corporate reports, GNP and international trade: An interdisciplinary American/German survey

**Session #8b Institution, Economics and Globalization II -
Thursday, 3:50 - Room R2-042**

Chair - Eric Laferriere

Stoett, Peter & Laferriere, Eric	Concordia University & John Abbott College	Canada	Ecological thought and global politics: congruence and implications
Shrivastava, Meenal	University of Transkei	South Africa	Southern and northern perspectives in the trade-environment debate: case for a bridge-building approach
Stabinsky, Doreen F.	California State University	USA	Intellectual property rights and agricultural sustainability
Muramatsu, Rikuo	Tokyo Institute of Technology	Japan	Relationship between the globalization and hyperopia to global environmental issues
Young, Zoe	University of Hull	UK	Saving whose world? The political ecology of global environmentalism

**Session #9 Human Ecology - Shaping Micro Decisions
with Implications for the Macro Environment - Thursday,
1:40 - Room R3-045**

Chair - Mary Andrews

Andrews, Mary P.	Michigan State University	USA
Bubolz, Margaret	Michigan State University	USA
Cunningham, Jo Lynn	University of Tennessee	USA
Engberg, Lila	University of Guelph (retired Prof.)	Canada
Shanahan, Helena	Goteborg University	Sweden
Slocum, Ann	Michigan State University	USA

Session - Organizer
"Human ecology: Shaping micro-decisions with implications for the macro environment".

Model for viewing the family as an ecosystem.

The intersection between public policy and personal autonomy: Automobile passenger restraint behaviour.

Participatory action for change.

Eco-safe food supply: Micro/macro interaction creating opportunities and barriers.

The American lawn ideal: What does it have to do with the environment?

Session # 10 Quality of Life - Thursday, 1:40 - Room R3-011

Chair- Jonathan Taylor

Taylor, Jonathan (presenter) Lamb,B., Burkardt, N. & Caughlan, L.	MESC/USGS	USA
Vining, Joanne	University of Illinois at Urbana-Champaign	USA
Akter, Shaheen	University of Sussex (visiting fellow)	Bangladesh
Anaya, Miguel Raygoza	University of Guadalajara	Mexico
Mehta, Manjari	Massachusetts Institute of Technology	USA

Thinking outside the lines: land management and area quality of life

Quality of Life Session - Co-chair.

Rural wage labour, gender and poverty: A comparison between two regions in Bangladesh.

A sustainable dream of Guadalajara citizens: Living without municipal wastes.

Women agriculturalists in the Indian Himalaya and the impact of cash cropping on subsistence livelihoods and women's work.

**Session # 11 Hybrid Spaces in Human Ecology - Thursday,
3:50 - Room R2-045**

Chair - Thom Heyd

Heyd, Thom	University of Victoria	Canada
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Does nature restoration make sense?

Lee, Keekok	University of Manchester	UK
Rocheleau, Dianne E.	Clark University	USA
Devkota, Babu Ram	World Legal Reasearch Agency	Nepal

Artifacts and degrees of artifacticity.

Actually existing human ecologies/hybrid ecologies

Session # 12 Coastal and Marine I: Integrated Coastal Management - Thursday, 3:50 - Room R2-046

Chair - Thomas Webler

Lubell, Mark	SUNY at Stonybrook	USA
Moir, Rob	Antioch New England Grad. School	USA
Torell, Elin	University of Rhode Island	USA
Tuler, Seth & Webler, Tom	Social Environmental Research Institute	USA
Mahon, Susan Watson, A. Carter, S., Mahon, R., Almerg, S.	Environment, People and Information	Barbados

Cooperation and transaction costs: the case of the national estuary program.

One if by land, two if by sea- Decision making in Boston Harbour.

Learning from experience: lessons gained from coastal management in East Africa

Factors influencing the participation of local government officials in collaborative environmental policy making

Community-based development: Seamoss cultivation at Conset Bay, Barbados.

Session # 13 Making Nature out of Nothing - Thursday, 3:50 - Room R3-048

Organizer - Pam McElwee

McElwee, Pamela	Yale University	USA
Hill, James Scott	University of Florida	USA
Bhatt, Nina	Yale University	USA
Dorsey, Michael	University of Michigan	USA
Duncan, Chris	Smithsonian Institute	USA

Ecology as an ideology: the logic of biodiversity in the socialist republic of Vietnam.

Cutting sticks or poaching timber? Overlapping forest tenures and conservation in southwest Cameroon

Conservation NGOs and local bureaucrats in Nepal's Makalu-Barun national park.

Roots of bioprospecting in the Ecuadorian Amazon.

Gardens or forests?: contested visions of nature in Halmahera, Indonesia.

Session #14 Ecological Transitions: Perceived Social Support in Family and Community Change. - Thursday, 3:50 - R3-045

Chair - Robert Boger

Boger, Robert	Michigan State University	USA
Castro, Julie	Michigan State University	USA
New, Rebecca	Michigan State University	USA
Seymour, Holly	Michigan State University	USA
Weidner, Tracy	Michigan State University	USA

Session Organizer - "Ecological transitions: perceived social support in family and community change."

Child resiliency and social support networks.

The church as a support system for families in trauma.

Women, informal social support and relationship conflict.

Social support and the stepparent.

Session # 15 Human Ecology and Wildlife - Thursday, 3:50 - Room R3-011

Chair - Tracy Wilson

Opokuah, Beatrice, John Brobbey & James Amofa	Agricultural training and research institute	Ghana
DiMauro, Desiree	George Mason University	USA
Wilson, Tracie L.	Folklore Institute Indiana University	USA

The human ecological system in Ghana.

Endangered species and public attitudes towards protection.

Where the bison still roam: Wildlife preservation and animal welfare in Poland and beyond

Session # 16 Roundtable: How Human Ecology Can Help Save Democracy - Friday, 9:00 - Room R3-035

Chair - Donald Straus

Straus, Don	College of the Atlantic	USA
Borden, Richard	College of the Atlantic	USA
Dietz, Thomas	George Mason University	USA
Webler, Tom	Antioch New England Grad. School	USA

Roundtable: Chair - "How human ecology can help save democracy."

Roundtable: Discussant

Roundtable: Discussant

Roundtable: Discussant

Session # 17 Urban Ecosystems - Friday, 9:00 - Room R2-045

Chair - Takashi Otsuka

Khan, Iqbal H.	Faculty of Engineering, Jamia Milia Islamia	India	Solid waste management in megacities
Matorin, S. & Solovyva, E.	Kharkov State Technical University of Radioelectronics	Ukraine	Human Ecosystem.
Otsuka, Takashi	Tokyo Institute of Technology	Japan	Concern for global environmental problems in Tokyo metropolitan area.
Tetior, Alexander	Moscow State University of Environmental Eng.	Russia	Ecological ethics as a basis of eco-city and eco-region creation
Tetior, Alexander	Moscow State University of Env. Eng.	Russia	Sustainable biopositive cities as critical goal of mankind

Session # 18 Aspects of Decisions for Preventative Medical Improvement - Friday, 9:00 - Room R3-048

Chair - Philippe Lefevre-Witier

Lefevre-Witier Philippe	UPCM-CNRS- Hopital Purpan	France	An example of a pitfall in decision-making for preventive medicine improvement.
Cambon-Thomsen, A. (presented by Philippe Lefevre-Witier)	CNRS INSERM U 518	France	An example of complex decision in Public Health raising from progress in knowledge: Bone marrow transplantation with an unrelated donor, policies for choice of donors.
Clayton, John	Unite de Recherche sur les Drepanocytose	Guadeloupe	Statistical analysis of the complication of Sickle Cell Anaemia.
Hens, Luc	Vrije University	Belgium	
Mariethoz, Ewa, Bakonyi, M. Kreps, S. & Polla, B.	University of Geneva	Switzerland	Perspectives for aged populations.

Session # 19 Wooing the Earth - Friday, 9:00 - R2-042

Chair - John Anderson

Anderson, John	College of the Atlantic	USA	Wooing the earth.
Cole, Sarah	Trustees of Reservations	USA	Wooing the earth.
Mancinelli, Isabel	College of the Atlantic	USA	Wooing the earth.

Session #20a Ecotourism Society - "Interdisciplinary Planning and Development" I - Friday, 9:00 - Room R3 -011

Chair - Bryan Higgins

Higgins, Bryan	SUNY Plattsburgh	USA
McMahon, Brian McFarland, James Plumley, Daniel	Edwards and Kelcey Inc.	USA
Milne, Simon Mason, D. & Mitchell, F. Johnston, C.	Victoria University " Auckland Institute of Technology	New Zealand
Thering, Sue	SUNY Environmen- tal Science and Forestry	USA

The economic geography of the ecotourism industry and 'Regimes of Nature'.

A world heritage legacy - Buryatia's Selenga Valley.

Tourism, community development and the internet; Models and methodologies.

Deconstruction sustainability and building a ladder of community focused outreach

Session #20b Ecotourism Society - "Interdisciplinary Planning and Development" II - Friday, 1:30 - Room R3-011

Chair - Bryan Higgins

Halpenny, Elizabeth	Ecotourism Society	USA
Kwasnowski, Dan	SUNY Environmen- tal Science and Forestry	USA
Payne, Bob	Lakehead University	Canada

Guidelines for ecotourism industry" - Using interdisciplinary methods to generate marine ecotourism guidelines.

Ecotourism in the U.S.: Do U.S. departments of tourism recognize nature as more than a commodity?

Marine ecotourims in the Caribbean.

Session #21a Student Session - Friday 9:00 - Room R2-046

Allie, Louis & Bryant, Christopher	University of Montreal	Canada
Ayorinde, Kolade	Vrije University	Belgium
Broich, John	University of Maine	USA
Cabana, Nicole	College of the Atlantic	USA

The role of local actors in a decision-making process: The case of Mont. St. Hilaire (Quebec, Canada).

Assessing wildfire risk in West Africa using GIS and remote sensing.

Water Pressure: Surreys and London's fight for the Thames, 1897.

Perceptions, politics and policy: An examination of harp sealing in Canada.

Cox, Mary

University of Michigan

USA

Human ecology and the characteristics of successful community based conservation

Session #21b Student Session - Friday, 1:30 - Room R2-046

Di Giovanni, Elizabetta

Universita degli studi di Palermo

Italy

Ecology: an educational perspective.

Donahoe, Brian

Indiana University

Indiana

Institutional Upheaval and decline of reindeer herding in the republic of Tuva.

Ginger, Clare & Wang, Deanne

Vrije University

Belgium

Comparing integrated frameworks for defining and analyzing the environmental implications of sprawl.

Hiller, Kim

University of Alberta

Indiana

Greening of campuses: a University of Alberta housing experiment

Johnston, Todd

University of Alberta

Canada

The role of international equity in a sustainable future

Session #21c Student Session - Friday, 3:50 - R2-046

Knight, David

University of New South Wales

Australia

Industrial ecology, engineering and ecological sustainability.

O'brien-Lucero, Yasmin

College of the Atlantic

USA

An analysis of how we use science in fisheries management.

Manno, Francesco

Palermo University

Italy

Environmental protection and public participation.

Markey, S. & Roseland, M

Simon Fraser University

Canada

Community capacity assesment for sustainable community economic development.

O'hara, Charles

Carleton University

Canada

Conceptualizing the potentials and risks of tourism in protected areas strategies.

Session #21d Student Session - Saturday, 9:00 - Room R2-046

Oleszkowicz, Jennifer

Green Mountain College

Canada

A defense of our obligations to reintroduce wolves to the northern forest.

Reitsma, Robert
J.Parish, W. McLarney,
R.Mack, J.Lynch

Carleton University

Canada

The role of cacao plantations in maintaining biodiversity in Southeastern Costa Rica.

Singh, Daman	Vrije University	Belgium
Spann, Monica K.Blondell, J. Hunting	George Mason University	USA
Woods, Justin	Green Mountain College	USA

Biodiversity conservation and intellectual property rights

Hazards to young children from residential pesticides.

Property rights: An ideological movement, takings Jurisprudence and Fifth Amendment to the constitution of the United States

Session # 22 Coastal and Marine II: Fisheries - Friday, 1:30 - R2-045

Chair - Joan Marshall

Marshall, Joan	McGill University	Canada
Begossi, Alpina	Universidad Estu- adel de Campinas	Brazil
Woodrow, Maureen	University of Ottawa	Canada
De Silva,B.H.Mohan Nishantha Priyantha, Epage.S. De Silva,N.H. Aruna Indra Kumara, Agamdodi S.P.	Aquatic Resource Agency, Nature Club, Nature Club	Sri Lanka
Rahming, Anne	London School of Economics	Canada

Who speaks for the community? Issues of environmental conservation in an island fishing community.

Mapping spots: fishing territories in Atlantic forest small scale fisheries.

Beyond the fisheries: Achieving a new balance in coastal Newfoundland fishing communities

Environmental Pollution and its impact on fishery management in Lunawa Lagoon.

A new blue Europe:Institutionalizing changes under Amsterdam.

Session # 23a Values, Attitudes and Emotions I - Friday, 1:30 - Room R3-035

Chair - Edwin Kurlfink

Kennedy, Joan, Vining, Joanne & Floyd, Donald	SUNY Environmen- tal Science and Forestry	USA
Anaya, Miguel Raygoza	University of Guadalajara	Mexico
Hikawa, Hiro & Suvedi, Murari	Michigan State University	USA
Kirubayashi, Atsuko	NLI Research Institute	Japan
Kurlfink, Edwin	Michigan State University	USA

The Role of the environmental managers' emotions in decision making and conflict

Managing of infectious wastes in medical care institutions, private laboratories and universities: Is it only governmental or social responsibility?

Student's attitudes toward waste management and future environmental education in Nepal.

Pro-environmental attitudes and behavior: An East-Asian perspective.

Individuation and self-realization: the deep ecology of Jung.

Session # 23b Values, Attitudes and Emotions II - Friday,
R3-045

Chair - Elizabeth Tyler

Soare, Richard	McGill University	Canada
Tyler, Elizabeth	University of Illinois at Urbana- Champaign	USA
Tysichniouk, Maria & Kuliasova, A.	Smolny Center for Arts and Science	Russia
Elliot, Jack	Cornell University	USA
Vining, Joanne	University of Illinois at Urbana- Champaign	USA

Reconciling moral disparity in an environmental context.

Developing a comprehensive environmental values scheme

Greening of new religions in Russia: Tibercule case study

Ways of meaning: Reflecting nature through the artifact.

Humans and other animals

Session #24a Improving Science Through Public Participation I - Friday, 1:30 - Room R2-042

Chair-Thom Webler & Seth Tuler

Krueger, Rob & Emel, Jody	Clark University	USA
Quigley, Dianne	Clark University	USA
Scammell, Madeleine	The Loka Institute	USA
Smolowitz, Ron & Wiley, Dave	Antioch New England Grad. School	USA
Sarwer-Foner, Brian & Hill, Stuart B.	McGill University	Canada

Is it worth it's weight in gold? Science and the politics of public participation in Montana gold mining industry.

Nuclear risk management for native communities project

Improving science: building the argument for participatory research

Research by those who care: can public participation in science lead to more usable knowledge?

Canadian NGO strategies for protecting biodiversity.

Session #24b Improving Science Through Public Participation and Environmental Decision Making II - Friday, 3:50 - Room R2-042

Chair -Thom Webler & Seth Tuler

Webler, Tom & Tuler Seth	Social Environmental Research Institute	USA
Bradbury, Judith	Pacific North West National Laboratory	USA

Competing and overlapping views on public participation: a Q-method approach

Effective discourse: some findings from a study of citizens advisory boards.

Button, Dean	Antioch New England Grad. School	USA
Paterson, Chris	Green Mountain Institute for Environmental Knowledge	USA
Bardati, Darren	McGill University	Canada

Participatory decision-making in the information age.

Whose decision is it?

Forestry and land use planning in British Columbia: Risk characterization in community- scale multi-stakeholder processes.

Session #25a Education I - "Project-based learning" Jt. Symposium, SHE/Alliance for Green Ed. - Friday, 1:30 - Room R3-048

Chair - Richard Borden

Borden, Richard	College of the Atlantic	USA
Mauhs-Pugh, Tom Throop, Bill	Green Mountain College	USA
Potter, Dave Beach, Chris Podsiadlo, Nate	Unity College	USA
Borden, Richard Cline, Kenneth Mancinelli, Isabel	College of the Atlantic	USA
Kritskaya, Olga	Michigan State University	USA

Symposium: Project based learning-Chairman

The northern forest: public policy and the education of citizens"

Water quality and rural community process.

Making a difference through college community collaboration.

Effects of an undergraduate program to integrate academic learning and service: promoting ecological intelligence.

Session #25b Education II - Friday, 3:50 - Room R3-048

Chair - Suzanne Sontag

Sontag, Suzanne	Michigan State University	USA
Cabot, Harry	Harvard Extension School	USA
Davidson, Debra	University of Madison-Wisconsin	USA
Beckett, Kelly L.	University of Illinois at Urbana-Champaign	USA
Bullard, Debra	McGill University	Canada

A proposal for connecting human ecology students worldwide through Netscape browser. A virtual university course offering

Human ecology and the year round school.

Experimenting with Interdisciplinary scientific training: social-aquatics systems research at the University of Wisconsin-Madison.

How does a community garden grow? An evaluation of the impact of a horticulture program in the classroom on students and community.

Inquiry Process: The search for meaning, not a search for facts.

Session # 26 Coastal and Marine III: Sustainable Coastlines - Friday, 3:50 - R2-045

Chair - Lawrence Prelli

Prelli, Lawrence Becker, Mimi, L.	University of New Hampshire	USA
Auclair, M.J & Armellin, A. (presenter)	State of Environ- ment section, ZIP program	Canada
Bruckmeier, Karl	University of Goteborg	Sweden
Kovacs, John M.	University of Western Ontario	Canada
Night, Jill C.	University of New Hampshire	USA

An assessment of ecosystem management as an adjudicatory principle for maritime boundary delimitation in the world court.

Programme de Zones d'intervention prioritaire du Plan d'action Saint-Laurent, Vision 2000.

Sustainable resource management at the land-sea interface.

Evaluating disturbances in the coastal wetland (Nayarit, Mexico).

Coastal decisions: research, prose, and poetry.

Session # 27 Ecotourism - Friday, R3-011

Chair - Jamal Ansari

Ansari, Jamal H.	School of Planning and Architecture	India
Campbell, Lisa	University of Western Ontario	Canada
Hong, Zhou	Yunnan University	China
Ibrahim, Camellia	McGill University	Canada
Sharma, Indira	Home Economists	Nepal

Environment impact assessment of international hotels complex, New Delhi, India.

Making the best of a bad situation: Promoting ecotourism in rural Costa Rica.

Eco-tourism and education of eco-ethics.

Ecotourism and its role in forest conservation in Costa Rica: Lessons learned from Rara Avis Rainforest Reserve.

Another view of Nepal: The status of women.

Session # 28 Presidents Forum - Friday, 3:50 - Room R3-035

Chair - William Fleming

Session #29 Spatial Perspectives - Saturday, 9:00 - Room R2-045

Fleming, W. & Henkel, D.	University of New Mexico	USA
Razak, Mohamed Abdul	Royal Melbourne Institute of Tech- nology	Australia

Community monitoring of rangeland health.

"Fenced Society" in Delhi India: The social reality and the need for shift in spatial planning approach.

Yetman, Gregory	CIESIN, Columbia University	USA	Spatial information and environmental decision-making: The Windermere Valley, Brutish Columbia.
Pelletier, Bernard & Fyles, James W.	McGill University	Canada	An ecological assessment of land-use practices in Malawi: combining methods developed in field ecology and participatory rural appraisal.
Thomson, Donald	University of Melbourne	Australia	Planning and decision-making scales for integrated catchment management: As if the landscape mattered

Session #30 Strategy and Adaptation - Saturday, 9:00 - Room R2-042

Chair - William Abruzzi

Abruzzi, William S.	Muhlenberg College	USA	Material vs. structural explanations of mbuti pygmy subsistence behavior.
Ashiabi, Godwin	University of Tennessee	USA	Community economic development: community shared agriculture, a strategy for empowerment and social vitality.
Begossi, Alpina & Hanazaki, Natalia	Universidade Estadual de Campinas	Brazil	The niche of Caicarás from ponta do almada (Brazil): diet and fishing.
Fowler, Cynthia	University of Hawaii	USA	Reverence and reciprocity: modes of interacting with sacred resources.
Schluchter, Wolfgang	Technische Universität	Germany	En-O-Trak: A system for the functional extension of agricultural enterprises and their farm machinery

Session #31 Family, Community and Habitat - Saturday, 9:00 - Room R3-048

Chair - Betty Crown

Crown, Betty	University of Alberta	Canada	Clothing as near environment: a human ecological framework for clothing research.
Niessen, Sandra & Crown, Betty	University of Alberta	Canada	Natural Dyes in a global community.
Smith, Andrea	Western Michigan University	USA	Caregiving grandparents and daycare: using an ecological approach to bridge a growing gap
Tysichniouk, Maria & Pchelkina, Svetlana	Smolny Center for Arts and Science	Russia	Building sustainable communities in Russia: Reuskala case Study

Tysichniouk, Maria & Pchelkina, Svetlana
Smolny Center for Arts and Science
Russia

Social aspects of sustainability: Kitezh case study

Session # 32 Managing Landscapes - Saturday, 9:00 - Room R3-011

Chair - Davis Taylor

Moir, William H. U.S.D.A Forest Service USA

Adaptive management on public lands in the United States: commitment or rhetoric?

Taylor, Davis College of the Atlantic USA

Sorting and preferences in rural Maine

Throop, Bill Green Mountain College USA

Preserving the wilderness in rural landscapes

Lister, Nina-Marie (Presenter) & Kay, James J. University of Toronto Canada

Celebrating diversity: adaptive planning for biodiversity conservation in the Huron natural area.

Session #33 International Forum - Saturday, 9:00 - Room R3-035

Chair - Richard Borden

Borden, Richard College of the Atlantic USA

Chair

Ekehorn, Eva Commonwealth Human Ecology Council UK

Co-Chair

Dickinson, Frederico CINESTAV Mexico

Co-chair

Hens, Luc Vrije University Belgium

Wang, Rusong Chinese Academy of Sciences China

Rosado-May, Francisco Universidad de Quintana Roo Mexico

Anyone interested in international networking in Human Ecology is invited to attend.

Session #34 Community-Based Environmental Decision Support - Saturday, 9:00 - Room R3-045

Chair - Thomas Meredith

Hochman, Cheryl, Salafski, N. Margoluis, R. Brandon, K. Biodiversity Conservation Network, WWF USA

Determinants of successful partnerships for conservation project management.

Burns, Thomas J.	University of Utah	USA
Frias, Gisela	McGill University	Canada
Oliver Beatriz	McGill University	Canada
Lebner, Ashley	McGill University	Canada

Why environmental movements have been unsuccessful.

Academic and community cooperation for environmental sustainability: A Canadian-Mexican partnership project.

The challenges of popular environmental education: A case from Morelos, Mexico.

Creating Conflict: Conservation and Culture in Huitzilac, Mexico.

Session # 35 - Roundtable: Examples of Sustainable Communities from Around the World - Thursday, 3:50 - Room R3-035

Chair - Jillian Hovey

Hovey, Jillian	University of Toronto	Canada
Boivin, Joseph	University of Ottawa	Canada

Roundtable: Chair

Roundtable: Discussant

Acknowledgments

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Sponsors

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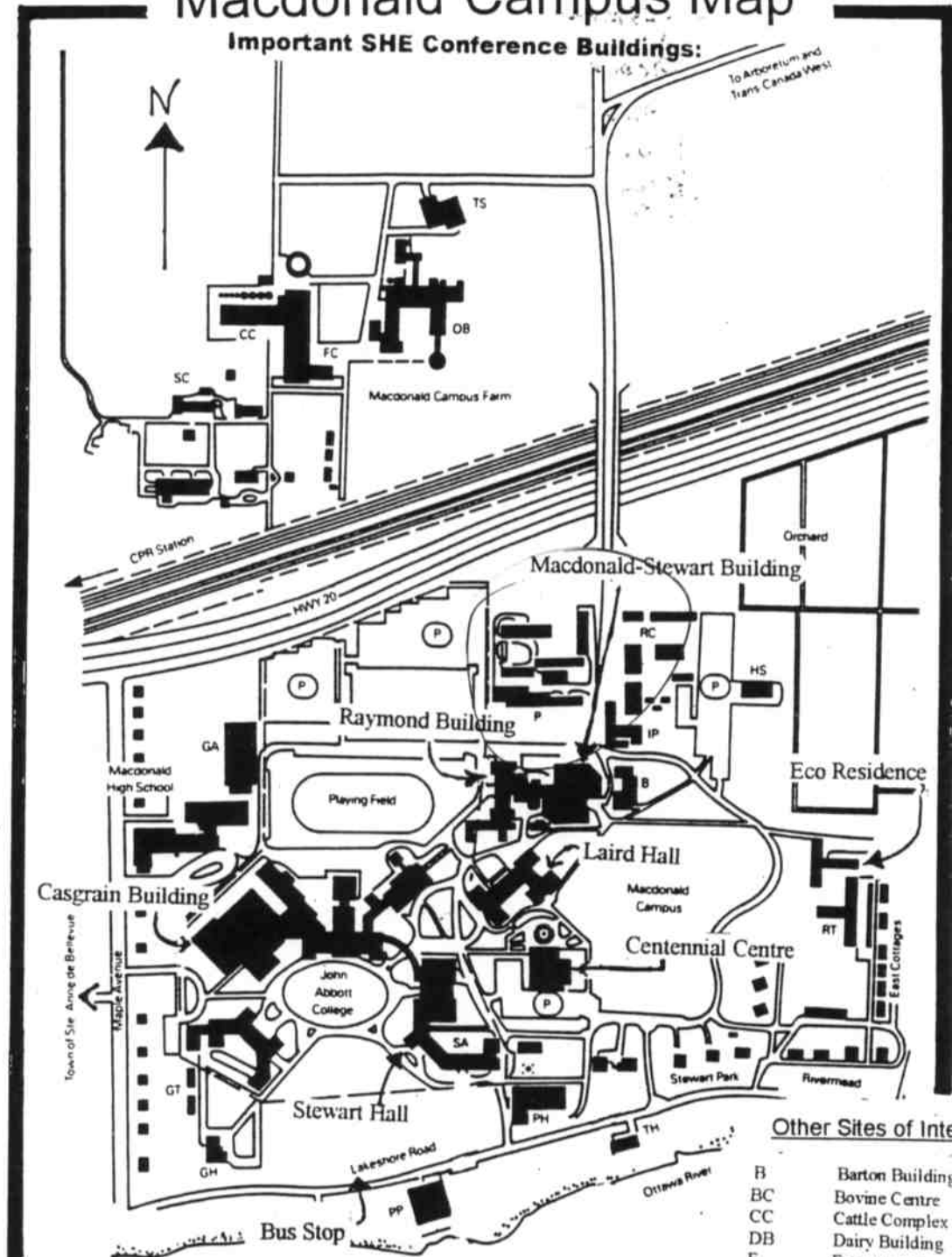
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Thanks also to Ian Gray for the Dougie Maclean song that captures the love of the land and the link with the land: *Solid Ground - it's the land/it is our wisdom/it's the land/ it shines us through/it's the land/it feeds our children/it's the land/you cannot own the land/the land owns you*

Macdonald Campus Map

Important SHE Conference Buildings:



Directory

- Centennial Centre :** Registration
- Casgrain Building :** Keynote Speaker
- Macdonald-Stewart Building :** Refreshments
- Raymond Building :** Sessions, Presentations
- Stewart Hall :** Meals
- Residences :** Eco Residence
Laird Hall
Stewart Hall

Other Sites of Interest

- B Barton Building
- BC Bovine Centre
- CC Cattle Complex
- DB Dairy Building
- E Ecomuseum
- ES Engineering Science
- FC Farm Centre
- GA Glenfuman Arena
- GH Glendale House
- GT Glendale Terrace
- HB Herberg Building
- HS Horticultural Services
- IP Institute of Parasitology
- PB Poultry Building
- PH Power House
- PP Physical Plant
- RC Raptor Centre
- RR Renewable Resources
- RT Robertson Terrace
- SA Stewart Athletic Complex
- SR Swine Research Centre
- SS Student Services Centre
- TH Tadjia Hall
- WR Weather Radar