(Pacific NW, California, Florida, Tennessee Councils)

Bridging Natural and Social Landscapes



Original Artwork by Margaret Herring

August 27 - 30, 1997
Doubletree - Lloyd Center
Hotel and Conference Center
(formerly Red Lion Hotel)
Portland, Oregon

CONFERENCE PACKET

Hosts

Natural Areas Association Exotic Pest Plant Council

SPONSORS

- U.S.D.A. Forest Service
- People & Natural ResourcesResearch Program
- Bureau of Land Management
- National Park Service
- Environmental Protection Agency
- U.S. Fish & Wildlife Service
- U.S. Army
- Washington Department of Natural Resources
- The Nature Conservancy of Washington
- The Nature Conservancy of Oregon
- Monsanto
- Pacific NW Exotic Pest Plant Council
- California Exotic Pest Plant Council
- ▶ Florida Exotic Pest Plant Council
- Tennessee Exotic Pest Plant Council
- Trust for Mutual Understanding
- International Paper
- Rocky Mountain Elk Foundation
- Xerces Society
- Berry Botanic Garden
- Native Plant Society of Oregon

CONFERENCE PLANNING COMMITTEE

Conference Chair

Reid Schuller Natural Areas Association Bend, Oregon

Conference Coordinator

Kathleen Bergquist The Connor Group Beaverton, Oregon

Program Co-Chairs

Reed Noss Society for Conservation Biology Corvallis, Oregon

Sarah Greene Forest Service-Pacific Northwest Research Station Corvallis, Oregon

Fundraising

Curt Soper
The Nature Conservancy
Seattle, Washington

Field Trips

Mark Sheehan Washington Dept of Natural Resources Olympia, Washington

Pre-Conference Field Trip

Art McKee
Forest Service-Andrews Experimental Forest
Blue River, Oregon

Exhibits and Posters

Ted Thomas US Fish & Wildlife Service Olympia, Washington

Raffle and Auction

Nancy Wogen Bureau of Land Management Eugene, Oregon

Special thanks to:

The Nature Conservancy, Portland, Oregon for volunteers Jill Kennay, Natural Lands Institute, Rockford, Illinois for mailing and printing assistance

August 27-30, 1997 • Portland, Oregon

WELCOME TO THE PACIFIC NORTHWEST!

Oregon and Washington are pleased to be hosting the first-ever joint conference of the Natural Areas Association and the Exotic Pest Plant Councils of the Pacific Northwest, California, Florida and Tennessee. We have brought together speakers from across the United States and Canada in addition to invited speakers from Russia and Australia.

The conference theme, *Bridging Natural and Social Landscapes*, will emphasize the linkage between human activities and the natural world. We will examine how the imprint of human culture has and continues to shape wildlands, and our conception of what is "natural". We plan to examine the myriad ways that human activities influence ecological conditions and processes, both in designated natural areas and in other wildland environments.

Our keynote speaker, plenary session speakers, and banquet speaker represent a broad range of expertise and perspectives, which we hope will be provocative and encourage discussion and reexamination of "hallowed truths".

To counterbalance our largely cerebral undertakings, we have scheduled twelve half-day or full-day field trips. We think each trip will be both enjoyable and thought-provoking. Field trips have always been a good informal way for conference participants to get to know each other better and to form lasting professional relationships. I encourage you, no, **challenge** you, to form some new contacts at the conference and on the field trips.

Conference visitors will also have the opportunity to take advantage of a wide range of activities in the Portland area. In addition to ready access to hiking and nature observation areas, regional parks, scenic areas, refuges, and wilderness areas, you might try visiting the Portland Rose Gardens, the Metro Washington Park Zoo, the Japanese Gardens, the Oregon Musuem of Science and Industry, the World Forestry Center, the Portland Art Museum, or the numerous fine eating establishments and microbrew pubs in the Portland area.

Enjoy your visit!

Reid Schuller Executive Director Natural Areas Association

Wednesday Afternoon - Keynote Address

The Cultural in Natural Landscapes by William Robbins
Oregon State University Distinguished Professor of History

Thursday Evening - Banquet Speaker
Can We Save the West? by Felice Pace
Klamath Forest Alliance

Thursday Evening - Presentation of the George B. Fell Award

Presented to Dr. Robert E. Frenkel, Professor Emeritus Department of Geosciences, Oregon State University

Conference Packet - Page 1

AGENDA

August 27-30, 1997 • Portland, Oregon

WEDNESDAY, AUGUST 27, 1997

9:00 am - 5:00 pm 9:00 am - 10:00 pm

Registration (Ballroom lobby) Vendors (Hawthorne/Sellwood) Posters (Broadway/Weidler/Halsey)

Noon - 1:00 pm 1:00 pm - 5:00 pm Lunch (on your own) Keynote Speaker and Plenary Session

Introduction

(Multnomah/Holladay)

Harry Tyler, jr.

President, Natural Areas Association Augusta, Maine

Maitland Sharpe

Asst. Director, Renewable Resources

& Planning

Bureau of Land Management

Washington, DC

Keynote Address

The Cultural in Natural Landscapes

William Robbins

OSU Distinguished Professor of History Oregon State University, Corvallis, Oregon

Plenary Speakers

Is Wilderness a Social Construct?

Holmes Roiston III

Professor, Department of Philosophy

Colorado State University Ft. Collins, Colorado

The Ecological Importance of Natural Areas

Steve Trombulak

Chair, Department of Biology

Middlebury College, Middlebury, Vermont

Nature Preserves in an Era of Virtual Reality

Deborah Jensen

Vice President for Science

The Nature Conservancy, Arlington, Virginia

Obtaining, Retaining and Maintaining Protected Areas: Biological vs. Social Strategies - What Works Best?

R. Gerald Wright

Leader, USGS Cooperative Fish & Wildlife

Research Unit

University of Idaho, Moscow, Idaho

Practical Nature Reserve Design and **Implementation**

Dave Foreman

Chair, The Wildlands Project Albuquerque, New Mexico

5:00 pm - 7:30 pm

Dinner (on your own)

6:00 pm - 7:00 pm

NAA Membership Meeting (Morrison)

7:30 pm - 10:00 pm Outdoor Reception (Courtyard)

THURSDAY, AUGUST 28, 1997

7:00 am - 8:00 am Continental Breakfast (Ballroom lobby)

7:00 am - 5:00 pm Registration (Ballroom lobby) 8:00 am - 10:00 pm

Vendors (Hawthorne/Sellwood)

Posters (Broadway/Weidler/Halsey) 8:30 am - Noon Concurrent Sessions and Symposia (see

schedule on pages 4 - 11)

Noon - 1:30 pm Lunch (on your own)

Concurrent Sessions and Symposia (see 1:30 pm - 5:00 pm

scheduled on page 4 - 11)

3:00 pm - 5:30 pm Official Poster Session

(Broadway/Weidler/Halsey)

6:00 pm - 8:30 pm Banquet (Multnomah/Holladay)

National Park Service Awards

Banquet Speaker Can We Save the West?

Felice Pace

Executive Director

Klamath Forest Alliance, Etna, California

George B. Fell Award Raffle / Silent Auction

FRIDAY, AUGUST 29, 1997

6:00 am - 7:00 am Continental Breakfast (Ballroom lobby)

6:00 am - 5:00 pm Registration (Ballroom lobby)

7:00 am - 5:00 pm Field Trips (see pages 12 - 14 for descriptions)

8:00 am - 10:00 pm Vendors (Hawthorne/Sellwood)

Posters (Broadway/Weidler/Halsey)

5:00 pm Dinner (on your own)

SATURDAY, AUGUST 30, 1997

7:00 am - 8:00 am Continental Breakfast (Ballroom lobby)

7:00 am - 1:00 pm Registration (Ballroom lobby)

8:00 am - 5:00 pm Vendors (Hawthorne/Sellwood)

Posters (Broadway/Weidler/Halsey)

8:30 am - Noon Concurrent Sessions and Symposia (see

schedule on pages 4 - 11)

Noon - 1:30 pm Lunch (on your own)

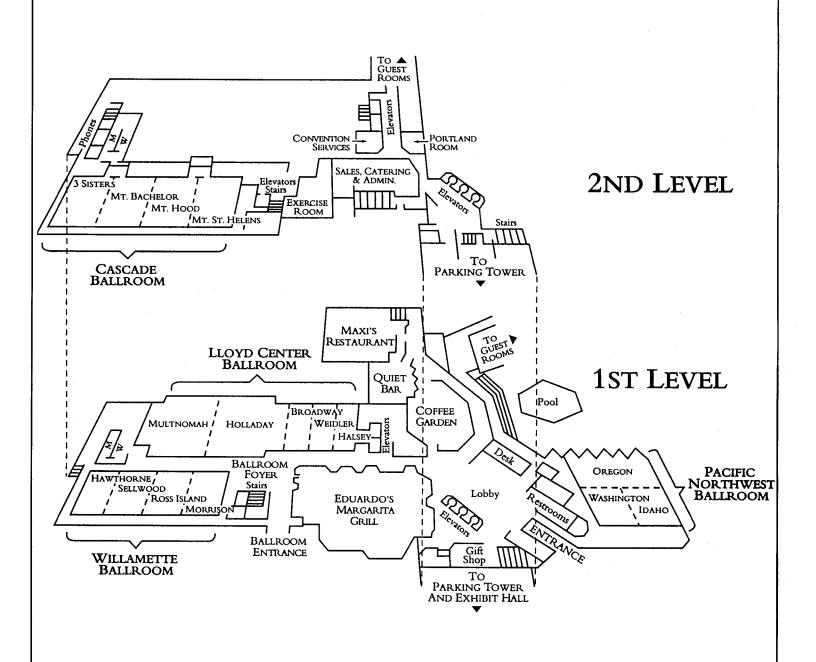
1:30 pm - 5:00 pm Concurrent Sessions and Symposia (see

schedule on pages 4 - 11)

5:00 pm Conference Concludes

HOTEL LAYOUT

August 27-30, 1997 • Portland, Oregon



Conference Packet - Page 3

SCHEDULE

August 27-30, 1997 • Portland, Oregon

THURSDAY MORNING, AUGUST 28, 1997 - SYMPOSIUM

(Check times carefully. Times may vary from session to session.)

Morriso	n Room	Mt Hoad	Room	Ross Is	sland Room
Chair: B	lydrologic Regimes rian Richter ne Nature Conservancy	Roundtable Chair: Mar	tural?: An Interdisciplinary k Brunson h State University	Internat Conserv Chair:	tional Natural Area Ta tion Hank Tyler Maine State Planning Office
8:30 am (I) Using Natural Flow Regimes as Templates in Riverine Conservation LeRoy Poff	8:30 am	Introduction Linda Kruger	8:30 am	(10) Natural Areas and Conservation Work in the Belgorod Region of Russia Alexander Shapovalov
		8:40 am (7)	What is Natural?: An Ecological Perspective Peter Landres	9:00 am	(11) The System of Protected Natural Territories in the Khabarovsk Region of the Russian Far East Alexander Kulikov
9:20 am (2) Western Riparian Systems: Requirements, Alterations, and Fixes Duncan Patten	9:10 am (8)	What is Natural?: A Social Science Perspective Mark Brunson	9:30 am	The System of Natural Conservation Areas in the Kaluga Region of Russia Valeri Novikov
		9:40 am	Roundtable Discussion Linda Kruger		
10:10 am	to 10:40 am Break				
1 0:40 am (3	How Much Water Does a River Need? Brian Richter	10:40 am	Roundtable Discussion Linda Kruger	10:40 am	(12) Ecological and Social Functions Influencing Resource Governance David Brunckhorst
l I:00 am (4	Restoration of Riparian Ecosystems on the Truckee River Through Adjusted Releases of Instream Flows Catherine MacDonald	11:10 am (9)	Synthesis: Bridging an Old Gap, Posing New Questions George Stankey	11:05 am	(13) Living with MegaDiversity: Current Australian Approaches for Sustainable Development and Biodiversity Conservation Richard Thackway
l l :20 am (5)	Biohydrology of Coastal Plain Ponds Richard McHorney			11:30 am	(14) Achieving Conservation Objectives Within Regional Planning Frameworks: An Australian Perspective Richard Thackway
l I:40 am (6)	Restoration of Natural Hydrologic Conditions at the Katharine Ordway Sycan Marsh Preserve, Oregon Catherine Macdonald				
Noon to 1	:30 pm Lunch				

SCHEDULE

August 27-30, 1997 • Portland, Oregon

THURSDAY MORNING, AUGUST 28, 1997 - CONCURRENT SESSIONS

F				_				
Exotic S Moderator		ies Lou Whiteaker Bureau of Land Management	Rare Sp Moderato		es Management Cheryl McCaffrey Bureau of Land Management	Ecologic Moderato		mplications of Grazing Richard Young The Nature Conservancy
3:30 am	(15)	Management of Melaleuca quinquenervia at Big Cypress National Preserve Antonio Pernas	8:30 am	(24)	Monitoring Rare Plant Populations with Quadrats: Should Quadrat Locations be Permanent or Temporary? Daniel Salzer	8:30 am	(33)	Semi-Natural Grasslands in Scandinavia: Ecological Values and Conservation Challenges Gunilla Olsse
3:50 am	(16)	Predicting the Invasion of Non- Indigenous Plant Species into the Wetland Communities of Everglades National Park Linda Tyson	8:50 am	(25)	Population Dynamics of Sarcodes sanguinea: Sixteen Years Amongst the Snow Plants Daniel Luoma	8:50 am	(34)	Implications of Cattle Grazing to Management of Natural South Florida Environments Michael Duev
):10 am	(17)	Effects of Hydrologic Restoration on Two Exotic Grasses Peter David	9:10 am	(26)	Flowering and Fruiting Response of Asimina tetramera Small Following Resource Management of Mature Sand Pine Scrub in Southeast Florida Anne Cox	9:10 am	(35)	Restoration of Improved Pastures in Central Florida to Longleaf Pine/Wiregrass Communities Jean McCollo
:30 am	(18)	Removal of Eurobean Beachgrass (Ammophila arenaria) Using a Variety of Methods to Restore Coastal Sand Dunes in Oregon Bruce Rittenhouse	9:30 am	(27)	Monitoring and Management of the Rare Plant Calochortus umpquaensis in the Ace Williams Candidate Area of Critical Environmental Concern Russell Holmes	9:30 am	(36)	Patterns of Natural Succession Within Subalpine Herblands of the Wasatch Plateau, Great Basin Research Station, Utah Stephen Monse
:50 am		A Combination Treatment for the Control of Arundo donax using Mechanical Mulching and Herbicides with a Comparison to the Cut Stump Method Shawna Bautista	9:50 am		Batiquitos Lagoon Enhancement Project: Influence of Ecosystem Modifications on Endangered Species Management and Resource Stewardship Adam Whelchel	9:50 am		The Tale of Two Jacks Creeks: Redband Trout Abundance in Relation to Stream Temperature Bruce Zoellid
0:10 ar	n tc	10:40 am Break			Addit Wileicher			
0:40 am	(20)	The Noxious Presence on Willapa Bay Janie Civille	10:40 am		Reestablishment of an Endangered Plant Species at a Southern California Salt Marsh Lorraine Parsons	10:40 am		Microbiotic Soil Crusts in Oregon's Shrub-Steppe Jeanne Ponzet
l:00 am	٠,	Exotic Plant Invasions in Red Butte Canyon Research Natural Area Alyce Hreha	11:00 am		Rare Species Inventory and Land Management on Arnold Air Force Base, Tennessee David Campbell	11:00 am		Meadow Response to Packstock Grazing in Yosemite National Park Peggy Moor
l:20 am (Growth Patterns of an Exotic Species, Hedera helix (English Ivy), in the Pacific Northwest Amanda Durkee	11:20 am		Classification of Panicum abscissum Dominated Natural Communities at Avon Park Air Force Range, Polk and Highlands Counties, Florida Steve Orzell	l I:20 am		Vegetation Recover at Simeonof National Landmark, Alaska Maritime National Wildlife Refuge, Alaska Stephen Talbo
l:40 am (Are Plant Invasions Dependent on Stochastic Interactions at the Invaded Site? Sarah Reichard	I I:40 am		The Savannah Army Depot: A Case Study of Endangered Species Identification and Management Leading to the Protection of a Natural Area Via the BRAC Process Randy Nyboer	i I:40 am		Application of a State and Transition Model for Managing Shrub- Grasslands of Southeastern Arizona Richard Youn

SCHEDULE

August 27-30, 1997 • Portland, Oregon

THURSDAY AFTERNOON, AUGUST 28, 1997 - SYMPOSIUM

(Check times carefully. Times may vary from session to session.)

Morrison	Room	Mt H	ood	Room		Ross Isl	and Room		
Manageme Chair: Mil	Management Natu		I l Ar e Rich	erican Perspe ea Manageme nard Hanes eau of Land Manag	ent	Status Report on State Natural Area Programs and Roundtable Discussion Chair: Robert McCance Kentucky Nature Preserves Commission			
1:30 pm (42) Panel: Landscape Ecology and Regional Land Use Patterns: People, Policies and Partnerships	1:30 pm		Introduction	Richard Hanes	1:30 pm	Introduction Robert McCanco		
	David Ausherman Dean Apostol Mike Houck Jim Desmond	l:40 pm	(43)	Native American Natural Knowled Environmental Re		1:45 pm	NAA Survey of State Statuses: What's Happening? Robert McCance		
	Rosemary Furfey Jill Gillen					2:00 pm	Case Studies: States with Recent Significant Changes		
	Mark Wilson	2:00 pm	(44)	From a Native Pe No Such Thing as	rspective: There is "Wilderness" Lehua Lopez		Matt Chew		
2:40 pm	Questions and Answers	2:20 pm	(45)	Anthropological P Native American	erspectives on Sacred Geography Deward Walker	2:30 pm	General Discussion on Causes and Cures Group Discussion		
2:50 pm	Introduction to Second Panel Topic	2:40 am	(46)	Hopi Wetlands	Beverly Suderman				
3:10 am to	3:40 am Break								
3:40 am (42)	Panel: Natural Area Maintenance and Management: Public Land, Limited Funds, Creative Solutions and Frustrations	3:40 am	(47)	Indigenous Knowle Area Managemen		3:40 pm	Model State Nature Preserves Act and What It Can Do: The Midwest Experience		
	George Kral Steve Bricker Jim Morgan Catherine Macdonald Esther Lev	4:00 pm	(48)	Management of N Preserves and Nat Conservation Area Washington	ural Resource		Group Discussion		
		4:20 am	(49)	Federal Managem Areas on Ceded Lo		4:15 pm	How Do We Improve? Advice for Creating Good State Natural Area Programs Roundtable Discussion with State Program Directors		
4:45 pm	Questions and Answers	4:40 pm	(50)	Issues and Opport Coquille Indian Tr					

24TH ANNUAL NATURAL AREAS CONFERENCE EXOTIC PEST PLANT COUNCIL CONFERENCE August 27-30, 1997 • Portland, Oregon

SCHEDULE

THURSDAY AFTERNOON, AUGUST 28, 1997 - CONCURRENT SESSIONS

vatic (!	-	20000000				lens Room
xotic S loderato		Lou Whiteaker Bureau of Land Management	Moderate		es Management Cheryl McCaffrey Bureau of Land Management	Social of Moderato		Natural Interface Cindy McCain US Forest Service
:30 pm	(51)	Overzealous Exotic Species Control as a Threat to Rare Species Linda Conway Duever	1:30 pm	(54)	Protection of Bacopa rotundifolia (water hyssop) from Illegal Off-Road Vehicle and Horse Traffic on the Hoosier National Forest Ellen Jacquart		(61)	Spatial Aspects of the Post-Soviet Expansion of the Russian Nature Reserve (zapovedniki) System Philip Pryc
50 pm	(52)	A Partnership for Managing Invasive Plants in New York State Pamela Otis	1:50 pm	(55)	Management for the Rare Butterfly Speyeria zerene hippolyta (Oregon silverspot butterfly) at The Nature Conservancy's Cascade Head Preserve Debbie Pickering	1:50 pm	(62)	Honduras Partnership for Biodiversity Eric Greenquis
10 pm	(53)	An Integrated Approach for the Control of Cogongrass Eric Johnson	2:10 pm	(56)	The Rehabilitation and Reintroduction of Captive Spectacled Bears into the Maquipucuna Reserve, Ecuador Abigail Rome	2:10 pm	(63)	California Roadsides: A New Perspective Chris Ellio
	-					2:30 pm		The Social and Political Viability of Biological Corridors on Private Lands A Case Study in Lewis & Clark County, Montana Seth Wilso
10 pm	to :	i:40 pm Break				2:50 pm		Effects of Local Conservation Zoning on Residential Property Values in Portland, Oregon: A Preliminary Survey Tim Brook
	********	•			_			
			Moderator	:	Ecosystems Duncan Patten Arizona State University	3:40 pm	i	The Changing Cultural Construct of Natural Areas: A View from Australia and New Zealand Michael Hal
			3:40 pm	(57)	Maine's Lakes and Ponds Hank Tyler			Michael Ha
			4:00 pm		Does a Drawdown Period Influence Nest Predation? Michelle Grigore			
			4:20 pm		Restoration of a Freshwater Coastal Marsh: Effects on Avian Use Michelle Grigore			
			4:40 pm		A Survey of Algae and Invertebrates Associated with Borax Lake, a Natural Hotspring Lake in the Great Basin of Southeastern Oregon			

SCHEDULE

August 27-30, 1997 • Portland, Oregon

SATURDAY MORNING, AUGUST 30, 1997 - SYMPOSIUM

(Check times carefully. Times may vary from session to session.)

Morris	on	Room	Mt H	od	Room		
Chair:	Janet	as and Ecosystem Management Ohmann orest Service	Exotics Chair:	Carl	ne Landscap a Bossard lary's College	Moderator:	Sarah Reichard University of Washington
8:30 am	(67)	Reconciling Ecosystem Management with the Rest of Conservation Reed Noss	8:30 am	(73)	Impacts of Inva	sive Plants on We	stern Wildlands Jerry Ashe
9:00 am	(68)	Implications of Changing Social and Ecological Values in Managing Wilderness Peter Landres	8:55 am	(74)	Wildlife as We	eds: A Review	Jeffrey Lovid
9:30 am	(69)	Adapting Ecosystem Management Strategies to People and Places: Case Studies from Three Temperate Rainforest Ecosystems Peter Schoonmaker	9:20 am	(75)	•	Economic Consequivasion in Southeas	uences of Imperata cylindrica stern Sandhill Carol Lippinco
			9:45 am	(76)	Ecology and Mo of Florida Wetl		aleuca quiuquenervia, an Invade Ted Cente
10:10 aı	m tc	10:40 am Break					
10:40 am	(70)	Putting Natural Areas into Ecosystem Management and Ecosystem Management into Natural Areas Catherine Macdonald	10:40 am	(77)	Biological Conti	rol of Exotic Weed	ds in Wildlands Michael Pitcair
l I:00 am	(71)	Monitoring: A View from Within the National Forest System Thomas Atzet	11:00 am	ı (78)	Using Traits of Establishment	Invaders to Predic	t Invasive Woody Plant Sarah Reichar
l 1:30 am	(72)	Why Aren't RNAs an Integral Part of Ecosystem Management? Lucy Tyrrell	11:25 am	(79)	Seeking Commo on Invasives	on Ground: The N	lursery Industry's Emerging View Craig Regelbrugg

Lunch

24TH ANNUAL NATURAL AREAS CONFERENCE EXOTIC PEST PLANT COUNCIL CONFERENCE August 27-30, 1997 • Portland, Oregon

SCHEDULE

SATURDAY MORNING, AUGUST 30, 1997 - CONCURRENT SESSIONS

Forest Ecosystems		Interpre	≥tati	ion and Education in the	Fire: Ecology, Public Perspectives and					
Moderator	:	Steve Caicco US Fish & Wildlife Service	Natural Moderator	l Wo		Use				
8:30 am	(80)	Local Wisdom Integrated with Traditional Research for Effective Resource Management Shandra Fitzpatrick	8:30 am	(89)	Research Lands in the Western Untied States Lisa Harrington	8:30 am	(98)	Burning Common Ground - Agreeing About Fire Maret Pajute		
8:50 am	٠,	Corvid Densities and Nest Predation in Rural Versus Wild Forest David Craig	8:50 am	(90)	Telling Stores: Providing For Other Voices to be Heard in Heritage Interpretation and Marketing Michael Hall	8:50 am	(99)	The Use of Prescribed Burning as a Restoration Process: Lessons from Santa Cruz Island, California Robert Klinge		
9:10 am		Impacts of Exotic Forest Insects and Diseases at Great Smoky Mountains National Park Kristine Johnson	9:10 am	(91)	Red Butte Canyon Research Natural Area: The Last Ungrazed Watershed in the Intermountain West Barbara Bentley	9:10 am	(100)	 Comparison of Historic and Post- 1900 Fire Occurrence in the Columbia River Basin Stephen Barret 		
7:30 am		Long-Term Monitoring of Wild Edible Mushrooms in the Forest of the Pacific Northwest David Pilz	9:30 am	(92)	Descriptive Analysis of the Pine Dunes Research Natural Area Julie Anne Hamon	9:30 am	(101)) Fire History and Fire Regimes of East Humbug and Scorpion Creeks and Their Relation to the Range of Pinus lambertiana Douglas Edward Garz		
:50 am		The Ecosystem Consequences of Fragmentation: Biogeochemical Cycling at Oldgrowth Forest-Clearcut Edges in the Pacific Northwest	9:50 am	(93)	Prairies in Portland? Mark Wilson	9:50 am	(102)) Prescribed Burning in the Urban Environment David Bornema		
	*****	Tom Hayes		******		***************************************	~~~			
0:10 an	n to	i 10:40 am Break								
0:40 am (Effects of Timber Harvest on Cimicifuga elata, a Rare Plant of Northwestern Forests Thomas Kaye	10:40 am		Local Opposition to a Natural Area Preserve: Lessons Learned from the Elk River, Washington Janice Friebaum	10:40 am	(103)	Response of Festuca idahoensis Grassland to Prescribed Burning in the San Juan Islands, Washington Peter Dunwiddi		
I:00 am (Vertical and Seasonal Variation in Arthropod Communities in Canopies of Four Conifer Species in an Oldgrowth Conifer Forest in Southwestern Washington Thomas Schowalter	I I:00 am		Coles Levee Ecosystem Preserve Environmental Education Program Stephen Geddes					
1:20 am (Forestland Protection and Acquisition within the City of Tigard, Oregon Michael Reichenbach	11:20 am	` ′	Dinosaurs in our Midst: A Cultural Analysis of the Construction and Preservation of Natural Areas Susan Hornshaw					
l:40 am ((Mapping Presettlement Vegetation of the Willamette Valley, Oregon, Using General Land Office Survey Data	11:40 am		The Use of Part Images to Evoke Perception of a Whole Entity Susan Hornshaw					

SCHEDULE

August 27-30, 1997 • Portland, Oregon

SATURDAY AFTERNOON, AUGUST 30, 1997 - SYMPOSIUM

(Check times carefully. Times may vary from session to session.)

Morrison	Raom		Mt He	od Room	
Ecosystem C Chair: Reed N Society			Chair: R	nd Increasing Uses of Native Species Richard Hansis Washington State University	
I:30 pm (104)	Introduction	Reed Noss	1:30 pm	(110) Historical Overview of Non-Timber Forest Pi States	oducts in the United Shandra Fitzpatrick
1:35 pm (105)	A Conservation Assessment of North American T Ecoregions	Terrestrial David Olson	1:45 pm	(110) Recent Trends in Non-Timber Forest Produc	ts Rebecca McLain
2:00 pm	The US Gap Analysis: A Status Report	Michael Scott	2:00 pm	(110) Measuring Biological Sustainability	David Pilz
			2:15 pm	(110) Gather Knowledge and Stewardship Practice	s Thomas Love
2:25 pm (106)	Conserving Canada's Ecosystems Through the El Spaces Campaign	ndangered Arlin Hackman	2:30 am	(110) Ethnicity and Labor Relations	Richard Hansis
2:50 pm	The Nature Conservancy's Ecoregional Conserva	tion Strategy Kent Redford	2:45 pm	Presenter Panel	
3:10 am to :	3:40 am Break				
3:40 pm (107)	Ecosystem Conservation: The NCCP Experience M	in California ichael O'Connell	3:40 pm	Panel and Audience Discussion	
4:10 pm (108)	Ecological Integrity in Theory and Practice: Less Attaining Environmental Goals	ons about James Karr			
4:35 pm (109)	Ecosystem Conservation in the Political Landsca	pe Mitch Friedman			

24TH ANNUAL NATURAL AREAS CONFERENCE EXOTIC PEST PLANT COUNCIL CONFERENCE August 27-30, 1997 • Portland, Oregon

SCHEDULE

SATURDAY AFTERNOON, AUGUST 30, 1997 - CONCURRENT SESSIONS

orest Ecosys 1oderator: Ster US		Interpretation and Education in the Natural World Moderator: Lee Taylor National Park Service
:30 pm (III)	A GIS-Based Conservation Plan for the Klamath-Siskiyou Ecoregion: A Progress Report James Strittholt	1:30 pm (114) Selection for Natural Features in Irish Pilgrimage Sites Susan Bratt
:50 pm (112)	Representativeness Assessment of National Forest System Research Natural Areas in Idaho Steven Rust	1:50 pm (115) Hey Kids! Meet the Beetles: Grow Your Own Biodiversity Wol Force Maret Pajut
:10 pm (113)	Deer Management Techniques Used by the Columbus Metro Parks	

FIELD TRIPS

August 27-30, 1997 • Portland, Oregon

CONFERENCE FIELD TRIPS (August 29, 1997)

Sandy River Gorge

The Sandy River flows from the Cascade Mountains directly into the Columbia River due east of Portland with the lower reaches of the river lying on the edge of the Willamette Valley and the Columbia River Gorge. The Nature Conservancy and the Bureau of Land Management have designated over 5 river miles of this Wild & Scenic River as natural areas, preserving some of the largest tracts of intact grand firwestern redcedar forest left in the region. In addition to high quality natural communities, the Sandy River still has strong winter steelhead runs. The field trip will explore the BLM Sandy River ACEC and the Conservancy Preserve as well as take time to look at the mouth of the river, which is managed by the Forest Service.

Maximum Number of People:

40

Length:

Full Day

Travel Time One Way:

45 minutes

Difficulty: Trip Leaders: 3 miles of moderate hiking Cathy MacDonald, Eddie Huckins, Bob Ratcliffe

2. Willamette Valley Natural Areas: Finley National Wildlife Refuge

Explore three Research Natural Areas (RNA) in William L. Finley National Wildlife Refuge located 90 miles south of Portland. Willamette Floodplain RNA was established in 1966 to protect wet prairie landscape typical of the valley during settlement times and requires prescribed burning to maintain the grasslands. We will review the research and management programs on site. Pigeon Butte RNA features Oregon white oak woodland, which is, in the absence of burning, succeeding to a Douglas fir forest. The nearby Maple Knoll RNA features a mesic valley margin mixed conifer forest established after historic logging.

Maximum Number of People:

40

Length:

Full Day

Travel Time One Way:

Short hikes on site

Difficulty: Trip Leaders:

Bob Frenkel, Maura Naughton

3. Mt. St. Helen's: An Active Volcano and Its Dynamic Ecosystem

Visit the most active volcano in the lower 48 states. The first stop will be Silver Lake Visitor Center for general orientation and a short film/slide presentation. The second stop will be at Harry Gardner Park, near the town of Toutle, to examine mudflow deposits of the 1980 eruption and some spectacular deposits of enormous ancient mudflows. The third stop at the Weyerhaeuser Visitor Center will provide a brief tour of the exhibits, an overview of the debris avalanche deposits and the remnants of an early sediment retention structure. We will take an exciting hike along a portion of the new Hummocks Trail through the deposits of the 1980 debris avalanche, the largest landslide in historic times. We will then visit the new Johnston Ridge Observatory for a bird's eye view of the Mt. St. Helens crater and Lava Dome. Along the way we will see a wide spectrum of natural processes at work, including active landslides, and diverse ecosystem recovery in a volcanic environment.

Maximum Number of People:

60

Length:

Full Day

Travel Time One Way:

2 hours

Difficulty:

2 to 3 miles of moderate hiking

Trip Leaders:

Pat Pringle, Peter Frenzen

4. Wind River Canopy Crane - Thorton T. Munger Research Natural Area (\$11 additional fee)

Come see the forest **above** the trees! The Wind River Canopy Crane, a canopy access system that is a focal point for a variety of research on the ecology and biology of old growth forest canopies, is located in the Thorton T. Munger Research Natural Area. This 1,180-acre natural area exemplifies an old growth Douglas fir-western hemlock forest. The massive trees, multi-layered canopy structure, and abundant standing and downed woody debris are typical of old forests at low elevations west of the Cascade Crest in Washington and Oregon. This is a prime example of the type of forest that has captured national attention as habitat for the threatened Northern Spotted Owl and stimulated an on-going debate about forest management policies in our National Forests. This trip will feature a ride in the canopy crane, a walking tour of the RNA focusing on old growth forest ecology, and a visit to another site representing another type of western Cascade ecosystem. Not for the fainthearted or those with a fear of heights!

Maximum Number of People:

30

Length:

Full Day

Travel Time One Way:

1 ½ hours

Difficulty:

I to 2 miles of moderate hiking at each site

Trip Leaders:

Dave Shaw, Chris Chappell

FIELD TRIPS

August 27-30, 1997 • Portland, Oregon

CONFERENCE FIELD TRIPS (August 29, 1997) (continued)

5. Puget Prairies and Puget Lowland Old Growth Forest

This trip will highlight significant geologic and vegetative features of two Puget prairie landscapes and provide an opportunity to visit a unique Puget Sound lowland old growth forest. Come and marvel at the mystery of "mima mounds" topography and speculate on its origin at the Mima Mounds Natural Area Preserve. This prairie site protects an undisturbed, representative example of mima mound physiography and a high-quality Idaho Fescue dominated grassland community. We'll also visit Glacial Heritage Park which contains examples of mounded prairie, oak woodlands, Douglas fir savannah and riparian areas. Restoration efforts are underway at both sites to reduce invading woody vegetation and control Scot's broom, a European invader of many Puget prairies. We'll discuss the use of prescribed burning, cutting, and native species propagation being used to restore these sites. As a contrast to the open prairie landscape, we'll also visit Lewis and Clark State Park which contains an example of Puget lowland old growth forest dominated by a Douglas fir-western hemlock/swordfern

Maximum Number of People:

Length:

Full Day

Travel Time One Way:

2 hours

Difficulty:

Short, easy hikes at each site

Trip Leaders:

Barb Aberle, Birdie Davenport, Patrick Dunn

6. Cascade Head Scenic Research Areas (Oregon Coast)

Cascade Head Scenic Research Areas was established by Congressional legislation in 1973 to protect a unique coastal area that has a combination of diverse, natural features including a headland grassland, old growth spruce forest and a long-standing U.S. Forest Service experimental forest in a highly scenic area of the Oregon Coast. We will have an overview of restoration efforts at the Salmon River estuary followed by a hike at the Cascade Head Preserve, which is managed by The Nature Conservancy. Discussion on the headland ecology will focus on rare silverspot butterfly habitat management and heavy visitation use.

Maximum Number of People:

40

Length:

Full Day

Travel Time One Way:

2 hours

Difficulty: Trip Leaders:

3 miles of moderate hiking Deb Pickering, Chris McDonald

7. Columbia River Gorge: Exploring Natural and Social Landscapes

Follow in the footsteps of Lewis and Clark and travel the Columbia River as it crosses the Cascade Mountains through a 90-mile long gorge. The Columbia River Gorge links the maritime forests of western Oregon and Washington and the eastern arid shrub steppe in the Cascades rainshadow. Dramatic geological processes such as mountain building, massive lava flows, catastrophic floods, and gigantic landslides have shaped the gorge and created superlative scenery. In 1986, Congress recognized its national significance and established the "Columbia River Gorge National Scenic Area". This field trip will give an overview of the Gorge's complex natural ecosystems. The tour will describe vegetation and geology along both the Washington and Oregon sides of the Gorge. Lunch at Horsethief Lake State Park (in the eastern gorge) will be highlighted by a special tour of outstanding petroglyphs and discussion of early native American presence in the Gorge.

Maximum Number of People:

Length:

Full Day

Travel Time One Way:

I hour

Difficulty:

Short, easy to moderate hikes at a number of sites

Trip Leaders:

Dr. Rex Crawford, Dr. Marvin Beeson, Russ Jolly

8. Old Growth Pacific Northwest Forest: Cedar Flats RNA

Old growth forests are one of the defining characteristics of the Pacific Northwest and have been at the core of much of the recent environmental and ecological debates in our region. This field trip will examine a large stand of old growth western redcedar-Douglas fir forest located in Cedar Flats RNA on the Gifford Pinchot National Forest. The redcedars range from 90 to 300 cm DBH and reach heights of 60 meters. Cedar Flats RNA was established in 1946 to represent an impressive bottomland forest growing on an old mudflow deposit on the south side of Mt. St. Helen's. Trip leaders will discuss the ecology of the site as well as the ecology of the surrounding area with possible side trips to more recent mudflows.

Maximum Number of People:

40

Length:

Full Day

Travel Time One Way:

11/2 hours

Difficulty:

2 miles of moderate hiking

Trip Leaders:

Nancy Diaz, Jim White

FIELD TRIPS

August 27-30, 1997 • Portland, Oregon

CONFERENCE FIELD TRIPS (August 29, 1997) (continued)

9. West Eugene Wetlands Project Area

West Eugene contains some of the largest expanses of wet prairie complex remaining in the southern Willamette Valley. We will view portions of Willow Creek Preserve (TNC), Fern Ridge RNA (U.S. Army Corps of Engineers) and West Eugene Wetland ACEC (BLM) as well as other holdings. The trip will focus on restoration efforts, including prescribed burning, endangered species management and exotic species control, taking place in the midst of residential and industrial development areas. A diverse partnership of public and private organizations, including the U.S. Army Corps of Engineers, Bureau of Land Management, City of Eugene, and the Nature Conservancy are dedicated to preserving and maintaining these areas.

Maximum Number of People:

40

Length:

Full Day 2 hours

Travel Time One Way:

Short, easy hikes

Difficulty: Trip Leaders:

Ed Alverson, Steve Gordon, Rick Hayes, Nancy Wogen

10. Mt. Hood Alpine Trip: Mt. Hood National Forest

Hike the high country on Mt. Hood (elevation 11,235 feet), Oregon's highest peak and the most heavily recreated area in the state. We will begin at the Mt. Hood Meadows ski area with a discussion of winter recreation and its impacts on the subalpine environment. Our hike will begin at the top of a chairlift run and head generally downslope, encountering subalpine wildflower and great scenery from the top of Oregon. The late summer colors will provide a backdrop for discussion of high elevation ecology, sensitive species management and year-round recreational use of this popular site. Mt. Hood is the second most-climbed peak in the world, after Mt. Fuji in Japan, so recreation is a primary concern in this National Forest. Wilderness management issues on the mountain will also be discussed.

Maximum Number of People:

40

Length:

Full Day

Travel Time One Way:

4 miles of moderate hiking at 6,000 foot elevation

Difficulty: Trip Leaders:

Marty Stein, Molly Sullivan, Susan Nugent

Berry Botanic Garden

The Berry Botanic Garden is a small (6-acre), private, non-profit organization located on the grounds of an old estate in the Dunthorpe neighborhood of Portland. Conservation is one of the primary missions of the Garden, which operates an off-site seed bank for rare and endangered plants of the Pacific Northwest. The Garden is a participating institution of the Center for Plant Conservation. The Garden features over 140 species of Rhododendron and has an alpine garden. The field trip will feature short guided tours of the grounds, a tour of the conservation, facilities, and ample time to explore the Garden on your own.

Maximum Number of People:

20

Length:

Half Day (morning)

Travel Time One Way:

30 minutes

Difficulty:

Easy garden strolls

Trip Leaders:

Ed Guerrant, Janice Dodd

12. Metropolitan Greenspaces Tour: Metro Regional Parks & Greenspaces

This field trip will provide an overview of the Metropolitan Greenspaces Program coupled with a tour to Smith and Bybee Lakes, a 2,000-acre urban wetland wildlife area in North Portland. Habitat enhancement activities, including exotic plant species control, water level manipulation and recreational opportunities will be viewed and discussed. We will also visit Oaks Bottom, Portland's first official wildlife protection area, and the Springwater Corridor, a 16½ -mile "rails to trails" project that links people to the urban outdoors.

Maximum Number of People:

20

Length:

Half Day (afternoon)

Travel Time One Way:

I hour total

Difficulty:

Short, easy hikes

Trip Leaders:

Ron Klein, Emily Roth, Mike Houck

1998 CONFERENCE

August 27-30, 1997 • Portland, Oregon

FIRST ANNOUNCEMENT 1998 NATURAL AREAS CONFERENCE

"Planning for the Seventh Generation"

October 6 - 10, 1998
The Upper Great Lakes Region
Mackinac Island, Michigan
Mission Point Resort

Board Meeting -- October 5, 1998
Pre-Conference Field Trips -- October 3 - 5, 1998
Post-Conference Events -- October 10 - 11, 1998

The Natural Areas Association is inviting you to a Silver Anniversary Celebration. In 1998, NAA's 25th Annual Conference is on Mackinac Island - in view of the Mackinac Bridge connecting Michigan's Upper and Lower Peninsulas and located between Lakes Michigan and Huron. Native People have known the Island as Michilimackinac or "great turtle". It is a sacred place. The Island was important to the French, English, and finally, the Americans for fur trading, as a military post, and a tourist location. The Island is rich in legend, lore, colonial and natural history.

We will come together on what was historically the country's second National Park and first State Park to consider the actions we may and perhaps must take now to be "Planning for the Seventh Generation". This theme reflects the anticipated participation of Native Peoples representing several Great Lakes and other tribes. Primary topics will include a discussion on the past, present, and future of natural areas and the role of natural areas in conservation planning and sustainable development. The Mackinac Straits area, chosen both for its aesthetics and its location between two of the Great Lakes, epitomizes shoreline and island development pressures which threaten ecologically and globally significant natural communities and species, yet offers opportunities for innovations such as ecotourism. The conference will showcase for an international audience, conservation efforts of highly successful land trusts including the Little Traverse Conservancy and The Nature Conservancy.

Outstanding field trips to nearby natural areas will feature the coasts of Lake Superior, Lake Huron, and Lake Michigan with Great Lakes marshes, interdunal wetlands, fresh water sand dunes, and limestone bedrock communities as well as providing an opportunity to visit inland natural communities with old growth hemlock, pine and hardwood forests, water falls and rivers, bogs, fens, peatlands, sink holes, and Jack pine savannas. You may experience fall hawk, song bird and waterfowl migrations, colonial birds, the northern home of the Kirtland's warbler and piping plover along with Great Lakes endemic plants, black bear, deer, elk, and wolves. The area offers abundant opportunities for viewing the glorious fall color, photography, light and strenuous hiking, canoeing, kayaking and scenic boat or train rides.

For More Information:

Address:

Great Lakes Natural Areas Conference

PO Box 30180

Lansing, MI 48909-7680

Web Site:

wildlife.dnr.state.mi.us/HomePages/Meetings/Natural_Areas_1998

NAA Members:

NAA members will automatically receive all Great Lakes Natural Areas Conference

information and announcements.