



the george wright society biennial conference
 on parks, protected areas & cultural sites
 st paul, minnesota | april 16-20, 2007

daily schedule of events

the week at a glance2

sunday, april 152

monday, april 163

tuesday, april 177

wednesday, april 1812

thursday, april 1915

friday, april 2020

poster / computer demo / exhibit locator4

meeting room locator8

important note on late changes to the program

We urge you to take a few moments to go through the accompanying *Late Changes, Additional Abstracts & Errata* handout and mark the changes on your copy of the *Daily Schedule of Events*. The *Late Changes* handout captures all changes communicated to the conference organizers between the time the *Program Guide & Abstracts* book was printed and April 12. Some changes involve alterations to the printed schedule of certain sessions, so it is important for you to note these on your *Daily Schedule of Events*.

In the event of last-minute cancellations (i.e., those coming after April 12) and/or no-shows in Invited Papers and Contributed Papers sessions, the session chairs have been instructed to keep to the printed schedule (as amended by the *Late Changes* handout).



Natural Resource Stewardship
and Science Program
Pacific West Regional Office
Alaska Regional Office
Northeast Regional Office

the week at a glance

sunday • april 15

Event start time	SUNDAY April 15	MONDAY April 16	TUESDAY April 17	WEDNESDAY April 18	THURSDAY April 19	FRIDAY April 20
7:00 am		<ul style="list-style-type: none"> • Registration (7:00 am–6:00 pm) • Poster session (continuous all day) 	<ul style="list-style-type: none"> • Registration (to 7:00 am–6:00 pm) • Poster session (continuous all day) 	<ul style="list-style-type: none"> • Registration (to 7:00 am–6:00 pm) • Poster session (continuous all day) 	<ul style="list-style-type: none"> • Registration (7:00–6:00 pm) • Poster session (to 3:00 pm) 	<ul style="list-style-type: none"> • Registration (7:00–9:00 am)
7:30 am						
8:00 am						
8:30 am						
9:00 am						
9:30 am						
10:00 am						
10:30 am						
12:00 pm						
1:00 pm						
1:30 pm	<ul style="list-style-type: none"> • Registration (1:30–9:00 pm) • Poster / demo / exhibit set-up (6:00–9:00 pm) • Meeting of GWS Student Travel Scholarship Winners & Mentors • Meeting of Native Travel Grant Winners (7:00–8:00 pm) 	<ul style="list-style-type: none"> • Plenary II: Harvey Locke (1:30–3:30 pm) • Break (3:30–4:00 pm) • Concurrents 15–26 (4:00–6:05 pm, except 4:00–5:15 pm for day-cappers) • Welcome to GWS2007 Reception (7:00–8:30 pm) 	<ul style="list-style-type: none"> • Concurrents 41–54 (1:30–3:35 pm) • Break (3:30–4:00 pm) • Concurrents 55–68 (4:00–6:05 pm, except 4:00–5:15 pm for day-cappers) • Silent Auction Wrap-Up (refreshments served) (7:30–9:00 pm) 	<ul style="list-style-type: none"> • Concurrents 81–90 (1:30–5:00 pm) NOTE: Field trips occur throughout the day • Native Film Night & Social (8:00–9:30) 	<ul style="list-style-type: none"> • Concurrents 91–104 (10:00 am–12:05 pm) • Break (3:00–3:30 pm) • Concurrents 119–132 (3:30–5:35 pm, except to 3:30–4:45 pm for day-cappers) • Plenary VI — North American Park Directors (5:30–6:30 pm) • GWS / NPS Awards Banquet (7:00–9:30 pm) 	<ul style="list-style-type: none"> • Concurrents 105–118 (1:00–3:05 pm) • Concurrents 132–146 (8:00–10:05 am) • Coffee Break (10:00–10:30 am) • Plenary VII — Charles C. Mann (10:30 am–12:05 pm) CONFERENCE CONCLUDES
3:00 pm						
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9:30 pm						

On-going events today

>>> Registration • 1:30–9:00 PM • Lower Level Foyer

The registration area is located just to the right of the escalators on the Lower Level. We urge you to register on Sunday if at all possible – that way you beat the Monday-morning rush. GWS personnel will be available at the registration area throughout the week to answer your questions and help with any problems.

>>> Walkin' in the Footsteps of George Silent Auction • 6:00–9:00 PM • Capitol Ballroom

If you are bringing items to donate to the auction, please check them in at the Silent Auction window at the registration area. Items will be put on display in the Capitol Ballroom as they are received, and bidding on each item opens as soon as it is displayed.

>>> Poster / Computer Demo / Exhibit Set-up • 6:00–9:00 PM • Minnesota West Ballroom

If you are presenting a poster, computer demo, or exhibit, set up your presentation as soon as you register. There will be a chart showing your assigned location in the Minnesota West Ballroom.

Special events today

>>> Meeting of George Melendez Wright Student Travel Scholarship Winners & Mentors

7:00 PM • State III

All student travel scholarship winners and their mentors will gather for an orientation/welcoming meeting. All registrants are welcome to come by and meet these young scholars from diverse backgrounds.

>>> Meeting of Native Participant Travel Grant Winners • 7:00 PM • State II

All NPTG winners will gather for an orientation/welcoming meeting.

monday • april 16

Plenary Session I

8:00–9:30 AM • Minnesota East Ballroom

Call to Order • Welcome to the Conference • Announcements

Abigail B. Miller, National Park Service (retired) / President, George Wright Society

Speaker Introduction / Session Moderator

David J. Parsons, Aldo Leopold Wilderness Research Institute / Member, GWS2007 Conference Committee

PLENARY ADDRESS

The Impact of Climate Change on Parks, Protected Areas, and Cultural Sites

Lisa Graumlich, Director, School of Natural Resources, University of Arizona



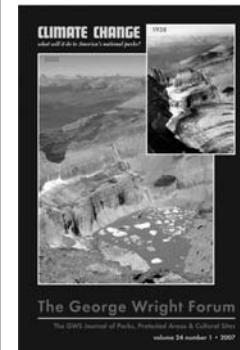
Dr. Lisa J. Graumlich's position as director of the School of Natural Resources at the University of Arizona allows her to combine her career-long interest in global climate change with the emerging issue of how to best manage natural resources in an uncertain future. As a researcher, she investigates the nature of human–environment interactions by melding records of severe and persistent climate episodes, such as mega-droughts, with historical accounts of social adaptation versus collapse. In addition, Graumlich has developed innovative interdisciplinary science programs that address issues of sustainability of ecosystems and livelihoods. She started her career at the University of Arizona where she was a faculty member in the Laboratory of Tree-Ring Research and the first director of

the University of Arizona's Institute for the Study of Planet Earth (ISPE). While director of ISPE, she engaged the talent of a broad cross-section of UA researchers in defining the potential impacts of climate change on semi-arid regions. In 1999, she moved to Montana State University to direct the Big Sky Institute (BSI). At BSI she worked closely with scientists and managers to develop science-based knowledge relevant to decision-making in the Greater Yellowstone Ecosystem and other large protected areas. In 2007, she was attracted to return to the University of Arizona by the intellectual excitement and social challenges of defining sustainable pathways for the future of the Southwest and other semi-arid regions.

Graumlich received her Ph.D. from the University of Washington (1985). She was named an Aldo Leopold Leadership Fellow in 1999 and was elected a Fellow of the American Association for the Advancement of Science in 2004.

Concurrent Sessions 1–14 • 10:00 AM–12:05 PM (see p. 5 for schedule)

recommended readings: climate change



- >> “The Challenges of Climate Change.” *The George Wright Forum* 24:1 (2007). The latest edition of the GWS's journal reprints an extensive 2006 NRDC/Rocky Mountain Climate Organization report on how climate change might disrupt national parks in the American West, as well as remarks from veteran park administrator Jon Jarvis on communicating the “inarticulate truth” of climate change. www.georgewright.org/forum.html
- David Welch, “What Should Protected Area Managers Do in the Face of Climate Change?” *The George Wright Forum* 22:1 (2005). Welch's article has been called one of the best practical summaries of what park managers actually can (and cannot) do to respond. www.georgewright.org/221welch.pdf
 - Elizabeth Kolbert, *Field Notes from a Catastrophe: Man, Nature, and Climate Change* (2006). Less polemical than other recent books, the reviewer for *Scientific American* compared this to *Silent Spring* in terms of its potential impact.
 - Tim Flannery, *The Weather Makers: How Man is Changing the Climate and What It Means for Life on Earth* (2005). Flannery marshals a wide range of evidence and pulls no punches about what Western society needs to do to get past denial and get going on solutions.

Plenary Session II

1:30–3:30 PM • Minnesota East Ballroom

Call to Order • Announcements

Suzette Kimball, U.S. Geological Survey / George Wright Society Board of Directors

Speaker Introduction / Session Moderator

Stephen Woodley, Parks Canada / George Wright Society Board of Directors

PLENARY ADDRESS

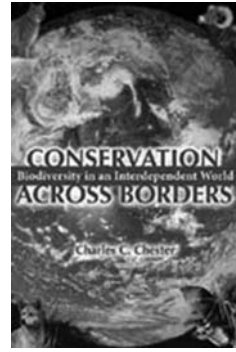
Continental-Scale Conservation in North America: Y2Y and Beyond

Harvey Locke, conservationist, Canadian Parks & Wilderness Society and Yellowstone to Yukon (Y2Y) Conservation Initiative

Harvey Locke is a Canadian conservationist with global experience. He is strategic advisor to the Yellowstone to Yukon Conservation Initiative, senior advisor on conservation to the Canadian Parks and Wilderness Society, and program advisor to Tides Canada Foundation. He has worked extensively in the United States, including three years as senior program officer for the environment at the Henry P. Kendall Foundation in Boston and nine years on the board of The Nature Conservancy of Montana. He has spoken about large landscape conservation, national parks, and wilderness to professional, public, and university audiences across North America and in Europe and Africa. His writing (both popular and peer reviewed) and photographs have been published in many countries. He was a member of the executive committee for the 8th World Wilderness Congress and is a member of the World Commission on Protected Areas.

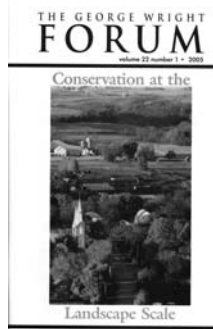


recommended readings: continental conservation



>> Charles C. Chester, *Conservation Across Borders: Biodiversity in an Interdependent World* (2006). A broad overview of the history of transboundary conservation efforts. Through detailed examinations of two initiatives, the International Sonoran Desert Alliance (ISDA) and the Yellowstone to Yukon Initiative (Y2Y), the book helps readers understand the benefits and challenges of landscape-scale protection. In addition to discussing general concepts and the specific experience of ISDA and Y2Y, the author considers the emerging concept of “conservation effectiveness.”

• Michael E. Soulé and John Terborgh (editors), *Continental Conservation: Scientific Foundations of Regional Reserve Networks* (1999). Scientifically solid but also readable and understandable for the nonscientist. Soulé and Terborgh are unrepentant advocates of the need for numerous large, strictly protected nature reserves.

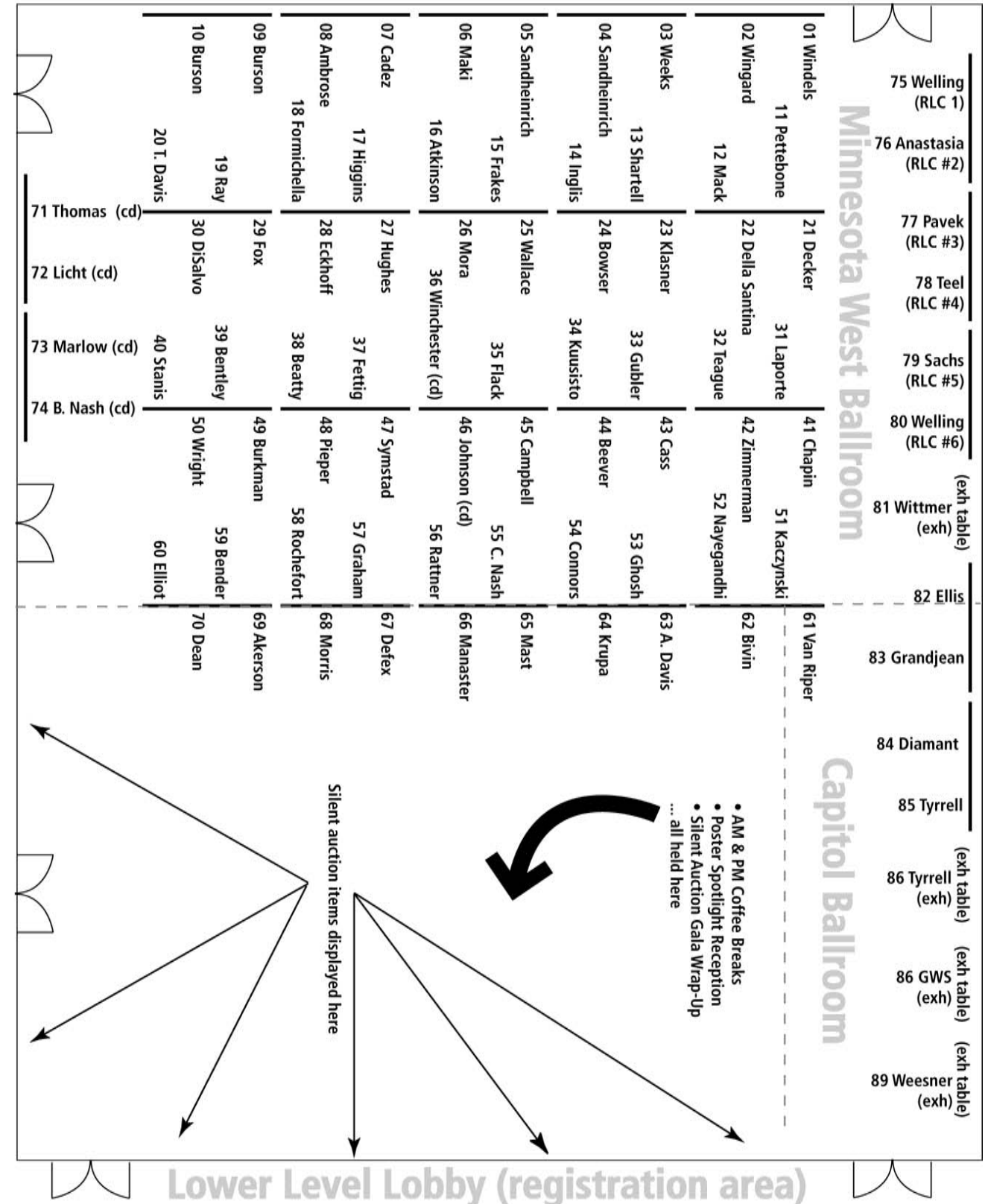


>> “Conservation Practice at the Landscape Scale.” *The George Wright Forum* 22:1 (2005). This special issue has several articles of interest, among them:

- Brenda Barrett, “National Heritage Areas: Places on the Land, Places in the Mind.” www.georgewright.org/221barrett.pdf
- Emily Bateson, “Two Countries, One Forest: A Landscape-Scale Conservation Collaborative in the Northern Appalachian Region.” www.georgewright.org/221bateson.pdf
- Gustavo A.B. Fonseca et al., “On Defying Nature’s End: The Case for Landscape-Scale Conservation.” www.georgewright.org/221fonseca.pdf

poster / computer demo / exhibit locator

Minnesota East Ballroom (plenary sessions)



Concurrent Sessions 15–26 • 4:00–6:05 PM (see p. 6 for schedule)

On-going events today

>>> **Registration • All day • Registration area (Lower Level)**

>>> **Poster / Computer Demo Session • All day • Minnesota West Ballroom**
 GWS2007 features an expanded Poster / Computer Demo Session, starting Sunday evening, April 15, and running through Thursday mid-afternoon, April 19. Posters are available for viewing anytime during the day. Computer demos are available at the discretion of the presenter.

>>> **Walkin’ in the Footsteps of George Silent Auction • All day • Capitol Ballroom**
 The Auction continues! All proceeds benefit the George Melendez Wright Student Travel Scholarship program.

Special events today

>>> **Welcoming Reception • 7:00–8:30 pm • Great River Ballroom**
 The George Wright Society welcomes you to GWS2007 and the Twin Cities! Join us in the Great River Ballroom, overlooking the Mississippi River, to greet old friends and meet some new ones. It’s a fun way to relax and get the conference week off to a great start. All registrants welcome; no tickets required but please do wear your name badge for entry. A selection of complimentary hot and cold hors d’oeuvres; cash bar.

		10:00 – 10:25	10:25 – 10:50	10:50 – 11:15	11:15 – 11:40	11:40 – 12:05
Session 1 Minnesota East	No Place to Hide: Climate and Environmental Change Impacts to Protected Areas / Leigh Welling & John Gross, chairs	Climate Change Science and its Role in Resource Management / Jonathan Jarvis	Climate Change and Coastal Ecosystems: Potential Impacts and Adaptation Strategies / Virginia Burkett	Adaptation Options of National Parks to Climate Change / Jill Baron et al.	Changing Land, Changing Lives: Impacts of Climate Change on Protected Areas and Associated Indigenous Cultures / Lois Dalle-Molle	Climate Change Communication: Inspiring Resource Stewardship in National Parks / Leigh Welling
Session 2 Great River I/IV	Changing Human Relationships with Wilderness and Other Wild Lands: Implications for Management and Research / He Yang, chair	Developing a Framework for Investigating Changing Relationships with Wilderness / Robert Dvorak	The Displacement Dilemma: Short- and Long-term Responses to Forces of Change / Ingrid Schneider	Intergenerational Differences: The Role of Wild Nature in the Future / Harry Zinn & Alan Graefe	GPS, the Web, and Uncertainty about Future Impacts on Remote Places / Joe Van Horn	Implications for Management and Education / Chad Dawson & Rick Potts
Session 3 Great River II/III	Access, Protection, and First Amendment Rights in America's National Parks / Bonnie Halda, chair	PANEL DISCUSSION PANELISTS: Christine Gobrial, John Howard, Ian Crane, Rich Weideman				
Session 4 Kellogg I	Charting a Future for National Heritage Areas: Superintendents' Perspectives, International Context, Evaluating Our Progress / Nora Mitchell, chair	Charting a Future for National Heritage Areas: Two Superintendents' Perspectives / Presenters TBA	National Heritage Areas in an International Context: Learning from English and French Landscape-Scale Conservation Approaches / Brenda Barrett	Measuring Success in National Heritage Areas: Evaluation as an Organizational Learning and Development Tool / Daniel Laven & Suzanne Copping	An Assessment of Natural Resource Management Conflicts in the Working Landscapes in Turkey: Koprulu-Kanyon National Park / Nedim Kemer	Q&A
Session 5 Kellogg II	Management of Carnivore Populations / Glen Sargeant, chair	Long-term Research on the Wolves of Isle Royale: Lessons Learned / Rolf Peterson & John A. Vucetich	Canada Lynx on the Border: Biological and Political Realities for Recovery Planning / Ron Moen	The Value of Data Management: A Wolf Monitoring Database / Peter Lindstrom & Sarah Dewey	Wolf Recovery in Yellowstone: Park Visitor Attitudes, Expenditures, and Regional Economic Impacts / John Duffield et al.	Determining Bear Activity Levels in the Lower Brooks River Area, an Area of High Visitor Use in Katmai National Park, Alaska / Troy Hamon et al.
Session 6 Kellogg III	Marine & Coastal Resources / Cliff McCreedy, chair	Fish Assemblages and Habitat Utilization Patterns in Coastal Waters of Four National Parks in Hawaii / Eric Brown et al.	Coral Bleaching and Disease Combine to Cause Catastrophic Mortality on Reefs in U.S. Virgin Islands / Jeff Miller et al.	Bleaching and Mortality of Acropora palmata at Buck Island Reef National Monument / Ian Lundgren & Zandy Hillis-Starr	A Collaborative Approach to Assessing Watershed Conditions in Coastal National Parks / Kristen Keteles & Cliff McCreedy	Status of Kittlitz's Murrelet in Alaska: Where Have All the Murrelets Gone? / Shelley Hall et al.
Session 7 Governors I	La Vida Verde: Hispanic Engagement in Natural Resource Conservation and Education / Pedro Chavarria, chair	PANEL DISCUSSION PANELISTS: Pedro Chavarria, Roel Lopez, Manuel Piña, Roger Rivera, Maria R. Gutierrez				
Session 8 Governors II	Effects of Natural and Human-caused Sounds on National Park Visitors: A Social Science Perspective / Karen Trevino, chair	Comparing Visitor Perceptions of Soundscapes at Muir Woods NM, Yosemite NP, and Grand Teton NP / Dave Stack et al.	Understanding and Managing Soundscapes in the National Parks: Standards of Quality / Robert Manning et al.	Modeling Aircraft Noise in Grand Canyon National Park / Sarah Falzarano & Ken McMullen	An Adaptive Approach to Managing Soundscapes in Muir Woods National Monument: A Test of Management Actions / Peter Newman et al.	Park Visitors and the Natural Soundscape: Experience Dimensions and Access Trade-offs / Shelley Saxen & Wayne Freimund
Session 9 Governors III	Managing Cultural Values on a Landscape Scale and Understanding How Different Cultures Value Resources / David Glassberg, chair	Appropriate Levels of Restoration and Development at Copan Archeological Park: Setting Attributes Affecting the Visitor Experience / G.N. Wallace & C. Mayer	Listening to Neglected Voices: Hmong and Public Lands in Minnesota and Wisconsin / David Bengston et al.	Defining, Saving and Managing Urban Cultural Landscapes / John O. Anfinson	Q&A	
Session 10 Governors IV	Western Airborne Contaminants Assessment Project (WACAP): Final Results / Tamara Blett, chair	WACAP: How Results Might Influence Management Actions in the National Parks / Dixon Landers et al.	Contaminants Present in WACAP Parks / Staci Simonich	Spatial and Temporal Distribution of Contaminants in the WACAP Parks / Daniel Jaffe et al.	Biological and Ecological Consequences of Contaminants in Western Parks / Linda Geiser et al.	Park-by-Park WACAP Summaries and Conclusions / Dixon Landers et al.
Session 11 Governors V	Citizen Engagement and Park Management / Dorothy Anderson, chair	Protecting Ecosystems: The Case of the Florida Everglades / Sherry Enzler	Designing the Urban Mississippi River: Collaborations between University Students and Local Organizations / Patrick Nunnally	Community-Agency Relationships at Voyageurs National Park: Does Trust Matter? / Dorothy Anderson et al.	Assessment of Resident Wellbeing and Perceived Biodiversity Impacts in the Padampur Resettlement, Royal Chitwan NP, Nepal / Narayan Dhakal et al.	Engaging Students in Parks and Protected Sites through Service Learning / Monica Siems
Session 12 State I	Expansion of Quagga (Zebra) Mussels into the Western United States: The NPS Responds (Part 1) / Linda Drees, chair	PANEL DISCUSSION PART ONE OF A TWO-PART PANEL/WORKSHOP — CONTINUES IN SESSION #24 PANELISTS: SandeeDingman, Valerie Hickey, Mark Anderson, Byron Karns, Jay Rendall				
Session 13 State II	Collaborative Conservation & Cross-boundary Initiatives / Suzette Kimball, chair	A Multi-jurisdictional Collaborative Planning Process for Resolving Cross-boundary Issues / Donald Rodriguez & George N. Wallace	Breakfast at the Cockpit Café and Other Innovations in Protected Area Outreach / Christine Baumann-Feurt & Ward Feurt	Mobilizing Partners and Volunteers for Habitat Restoration and Natural Resource Management in the Potomac Gorge / Mary Travaglini	Restoring the Cache River Wetlands in Southern Illinois through Community-Based Conservation Partnerships / Christopher Bridges et al.	Doing More with More: Increasing the Role of Collaborative Research Management in Yosemite / N.S. Nicholas et al.
Session 14 State III	Creating a "Culture of Evaluation" to Inform National Park Service Interpretation and Education / Sheri Forbes, chair	PANEL DISCUSSION PANELISTS: Sheri Forbes; Sam Vaughn, Nora Mitchell, Patti Reilly				

		4:00 – 4:25	4:25 – 4:50	4:50 – 5:15	5:15 – 5:40	5:40 – 6:05
Session 15 Minnesota East	Concerns and Strategies for Adaptively Managing Resources in an Era of Climate Change / Kathy Jope, chair	PANEL DISCUSSION PANELISTS: Dan Kimball, Paul DePrey, Bob Krumenaker, Jeff Mow, Bert Frost				
Session 16 Kellogg I	Making Good Decisions about Visitor Use and User Capacity: A Progress Report from the Field / Kerri Cahill, chair	Progress in the Planning, Policy, and Legal Arena Related to User Capacity / Linda Dahl & Kerri Cahill (4:00–4:15) Adaptive Visitor Use Management: A Field Report from Yosemite National Park / Jim Bacon et al. (4:15–4:30) VERP and Visitor Use Monitoring at Acadia National Park / Charlie Jacobi (4:30–4:45) Applied Visitor Use and User Capacity Management in Shenandoah National Park / Steve Bair (4:45–5:00) Improving Commercial Services Planning with the Visitor Experience and Resource Protection Framework / Marilyn Parris & Kerri Cahill (5:00–5:15; balance of session Q&A)				
Session 17 Kellogg II	Experiencing Change and Resistances to Change / John Griffin, chair	DAY-CAPPER				
Session 18 Kellogg III	Managing Rare and Declining Fauna Populations / David Willey, chair	Rapid Apparent Distributional Shift in a Montane Mammal Responding to Climate Change and Other Influences / Erik Beever & Chris Ray	Development and Testing of Automated Audio Recording Systems for Monitoring in the Northern Great Plains / Marcia Wilson et al.	Protecting Rare Species that Nobody Likes: Timber Rattlesnake Preservation in Minnesota State Parks / Edward Quinn & Shawn Fritcher	Migration Across Borders: Science, Management and Conservation of Threatened Fish that Leave Olympic National Park / Samuel Brenkman & Stephen C. Corbett	The Most Endangered Fish: A Report on the Effort to Save the Devils Hole Pupfish / John Wullschleger & Michael Bower
Session 19 Governors I	Changing Views: Manifest Destiny, Romanticism, and Commercialism / Dorothy Anderson, chair	How the Indians Lost Their Lands: Thomas Jefferson, Lewis & Clark, and Manifest Destiny / Robert Miller	Rethinking National Park Ownership and Management: An Indigenous Perspective / Jacinta Ruru	Selling the Land Short: Applying Lessons Learned from Game Management to Public Land Recreation / Robert Smal	The 19th-Century Literary and Historic Roots of the Beauty vs. Utility Debate in the Adirondacks / Erica Morin	The Many Faces of Great Smoky Mountains National Park: The Impacts of Differential Histories and Outreach on Local Attitudes and Actions / Marc Stern
Session 20 Governors II	Hydrology and Water Quality / Charles Roman, chair	Science and Operations: Understanding and Responding to Floods at Yosemite / Joseph Meyer et al.	A River Runs through It: Managing Hydrologic Modifications in a National Park / Susan O’Ney	Evaluation of Watershed Imperviousness Models Using Stream Assessment Techniques in the Cuyahoga Valley / Kevin L. Skerl et al.	Assessing Impacts of Houseboat Greywater Discharge: Acquiring Decision Making Tools with a Changing User Base / Matthew Julius et al.	Trophic Transfer of Methylmercury in Lacustrine Food Webs of Voyageurs National Park, Minnesota / Kristofer Rolfhus et al.
Session 21 Governors III	Inventory and Monitoring / Elaine Leslie, chair	Developing Integrated Assessments for National Capital Region Network Parks: An Example from Rock Creek Park / Lisa N. Florkowski et al.	Unrecognized Reservoirs of Pollinator Diversity? Bees in National Parks and Monuments / Terry Griswold & Olivia Messenger	The Effectiveness of a Vegetation-Based Approach for Estimating Vertebrate Species Diversity / Kaci Myrick et al.	Long-term Bioassessment of Park-scale Stream Ecological Integrity in the Rocky Mountain Inventory and Monitoring Network / E. William Schweiger et al.	Q&A
Session 22 Governors IV	Western Airborne Contaminants Assessment Project (WACAP): Discussion of Results and Future Monitoring Strategies / Christine Shaver, chair	PANEL DISCUSSION PANELISTS: Donald Campbell, Staci Simonich, Daniel Jaffe, Adam Schwindt, Linda Geiser				
Session 23 Governors V	A Hundred Years of the National Park Service: What Should the Centennial Mean? / William H. Walker, Jr., chair	DAY-CAPPER PRESENTERS: Abby Miller, Rolf Diamant, Jon Jarvis, Richard West Sellars				
Session 24 State I	Expansion of Quagga (Zebra) Mussels into the Western United States: The NPS Responds (Part 2) / Linda Drees, chair	WORKSHOP PART TWO OF A TWO-PART PANEL/WORKSHOP — CONTINUED FROM SESSION #12 PRESENTERS: Sandee Dingman, Valerie Hickey, Mark Anderson, Byron Karns				
Session 25 State II	Ridin' the Rails: An Exploration of America's Resources through a Partnership with Amtrak / Jim Miculka, chair	DAY-CAPPER PRESENTERS: Ann McGinnis, Gillian Bowser				
Session 26 State III	Vegetation Monitoring / Kara Paintner, chair	Monitoring Vegetation Composition, Structure, and Soils in the Rocky Mountain Region / Dan Manier et al.	Status of Whitebark Pine in Pacific Northwest National Parks / Regina Rochefort et al.	Mapping Invasive and Rare Wetland Plant Species to Visualize Competition and Devise a Control Strategy / Wendy Cass & James M. Yoder	Determining the Disturbance Effect on Forest Development for Use in Park Management Plans / Bruce Larson et al.	LiDAR- and CIR-based Vegetation Monitoring for Gulf Coast Parks: Potential Multiple Yields from One Methodology / Robert Woodman & Amar Nayegandhi

tuesday • april 17

Plenary Session III

8:00–9:30 AM • Minnesota East Ballroom

Call to Order • Announcements

Gillian Bowser, Texas A&M University / Secretary, George Wright Society

Panel Introduction

Nathalie Gagnon (Algonquin First Nation), Senior Advisor, Aboriginal Affairs Secretariat, Parks Canada

PLENARY PANEL DISCUSSION

Native Peoples, Protected Lands

Session Moderator

Charles Hudson, Public Affairs Manager, Columbia River Inter-Tribal Fish Commission

Panelists

Roberta (Bobbie) Conner, Sisaawipam, Director, Tamástlikt Cultural Institute, Confederated Tribes of the Umatilla Indian Reservation

Tom Lee, Chief Executive Officer, Parks Canada (1998–2002)



Charles Hudson is a member the Mandan/Hidatsa tribe of Fort Berthold, North Dakota, and is a 1983 graduate of Washington State University. He has spent several years working in media and American Indian education in the Pacific Northwest. Hudson currently serves as public affairs manager for the Columbia River Inter-Tribal Fish Commission, the policy and technical coordinating agency for the Columbia River Treaty Tribes in Portland, Oregon. Hudson has spoken throughout North America on treaty rights, salmon, and environmental justice. His passion for tribal issues is derived from his family's generations-long fight for treaty rights and justice on the Missouri River, chronicled in the 2004 Little/Brown novel *Coyote Warrior* by Paul Vandevelder. Hudson also serves on the boards of the Oregon Chapter of Physicians for Social Responsibility and of the Open Meadow alternative school, and is a founding board member of the Rivers Foundation of the Americas. He recently

served as guest editor of "Modern Tribal People," a special edition of *Oregon's Future* magazine, and will soon begin serving on the Advisory Team on Underrepresented and Minority Student Achievement for the Oregon Department of Education.



Bobbie Conner became director of Tamástlikt Cultural Institute in April 1998. The Institute opened in August 1998 with three goals: (1) to preserve the tribes' cultures, (2) to accurately present the tribes' history, and (3) to contribute to the development of a tribal economy. Tamástlikt (Tah-mahst-slickt) means "turn," "translate," or "interpret" in Wallulapam. The 45,000-square-foot facility houses permanent and changing exhibits; a classroom, research library, photo archive, and collection vaults; a spacious museum store; the Kinship Café with a sweeping view of the Blue Mountain foothills; and a variety of meeting rooms.

Conner is vice president of the National Council of the Lewis and Clark Bicentennial Board of Directors and a leader of its Circle of Tribal Advisors. She continues to

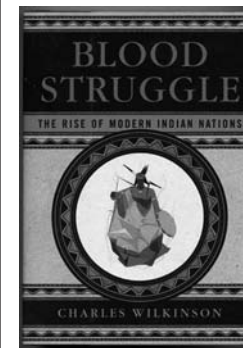
serve on the Wallowa Nez Perce Homeland Project and is a special advisor to the Board of the Oregon Cultural Trust and a former member of that board. Prior to moving home, Conner worked 13 years for the U.S. Small Business Administration. She is a graduate of the University of Oregon and Willamette University's Atkinson Graduate School of Management. Bobbie Conner is Cayuse, Umatilla, and Nez Perce and a member of the Confederated Tribes of Umatilla. Her Sahaptian ancestors were from the Columbia and Snake Rivers and their tributaries.



Tom Lee is a graduate of McMaster University, Hamilton, Ontario, and of the University of Illinois. From 1966 to 1993 he held a number of positions in the natural resources field in Canada, both provincially and nationally. Lee then held the positions of associate deputy minister and CEO for Parks Canada from 1993 to 2002. During this period he led the organization in a number of national initiatives. In addition to these responsibilities within Canada, he has served as a member of the Canadian delegation to the founding meetings of the UNESCO World Heritage Convention; head of the delegation to the IUCN conferences in Buenos Aires, Montreal,

(continued on p. 8)

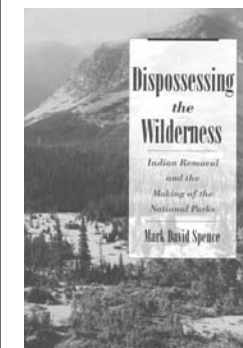
recommended readings: native peoples



>> Charles Wilkinson, *Blood Struggle: The Rise of Modern Indian Nations* (2005). A "remarkable, uplifting story of how a new generation of tribal leaders overcame several centuries of adversity to win self-determination for Native peoples." – Stewart Udall

• Winona LaDuke, *Recovering the Sacred: The Power of Naming and Claiming* (2005). "A brilliant study of cases dealing with rights to land, resources, culture, religion, and genetic information. A much-needed challenge to the existing ethical constructs that govern these rights claims." – Rebecca Tsosie

• Stan Stevens (ed.), *Conservation through Cultural Survival: Indigenous Peoples and Protected Areas* (1997). "National parks are the highest expression of the commitment of modern generations to the preservation of nature, but no system can lay claim to moral authority that is built on the bones of traditional cultures dispossessed and destroyed. This book provides insight into an alternative, more humane path." – R. Michael Wright



>> Mark David Spence, *Dispossessing the Wilderness: Indian Removal and the Making of the National Parks* (1999). "A landmark historical reconstruction of a forgotten story—the eviction of American Indians from a troika of our nation's major parks: Yosemite, Yellowstone, and Glacier." – Peter Nabokov

• David Neufeld, "The Commemoration of Northern Aboriginal Peoples by the Canadian Government," *The George Wright Forum* 19:3 (2002). Neufeld's thesis is that the government's "designation of national significance is the construction of national identity; it is an expression of power," and, by reviewing the history of Canada's commemoration of First Nations, "it becomes possible to see who have been left out of the national identity and who have been conscripted to fill needed roles in the national self-image." www.georgewright.org/193neufeld.pdf

• Joe S. Watkins, *Indigenous Archaeology: American Indian Values and Scientific Practice* (2000). "Does science's universality supersede national claims? Does U.S. cultural patrimony encompass its conquered nations' forbears? Watkins covers the history of antiquities legislation and, with a few well-chosen cases, illustrates a range of outcomes." – Alice Beck Kehoe

and Amman, Jordan; co-chair with Russia of the review of World Heritage in the Boreal Forests; and member of the drafting committee of the Durban Accord of the 2003 World Parks Congress in South Africa.

Lee's responsibilities have engaged him in extensive dialogue and partnerships with indigenous peoples. These have included participation in many of the land claim processes in Canada, numerous partnerships in the creation and management of national parks and national historic sites, incorporation of Aboriginal interests in the legislative frameworks governing Parks Canada Agency and the national park and national marine conservation systems, establishment of a permanent Aboriginal Secretariat reporting directly to the CEO of Parks Canada to foster the engagement and interests of Aboriginal people in the agency's programs, and establishment of a continuing Aboriginal Consultative Committee to assist in the development of policy and to identify opportunities and mechanisms for meaningful relationships. Lee is retired and lives with his wife Terry in Ottawa. He continues to be involved as a consultant on issues pertaining to natural resource conservation in Canada and internationally.

Concurrent Sessions 27-68 • 10:00 AM-6:05 PM (see pp. 9-11 for schedule)

On-going events today

>>> **Registration • All day • Registration area (Lower Level)**

>>> **Poster / Computer Demo Session • All day • Minnesota West Ballroom**

Posters are available for viewing anytime during the day. Computer demos are available at the discretion of the presenter.

>>> **Walkin' in the Footsteps of George Silent Auction • all day until 9:00 PM • Capitol Ballroom**

Today is the final day of the Auction! All proceeds benefit the George Melendez Wright Student Travel Scholarship program. See below for information on the Auction Wrap-Up Gala.

Special events today

>>> **Luncheon Honoring the George Melendez Wright Student Travel Scholarship Winners
12:00-1:30 PM • Mississippi Garden Court Poolside**

Each year we honor our Student Travel Scholarship winners with a luncheon. This year's event will take place in the Mississippi Garden Court Poolside at the Crowne Plaza and will feature Native American cuisine. It's a great opportunity to meet these promising scholars from diverse backgrounds. Advance ticket purchase required.

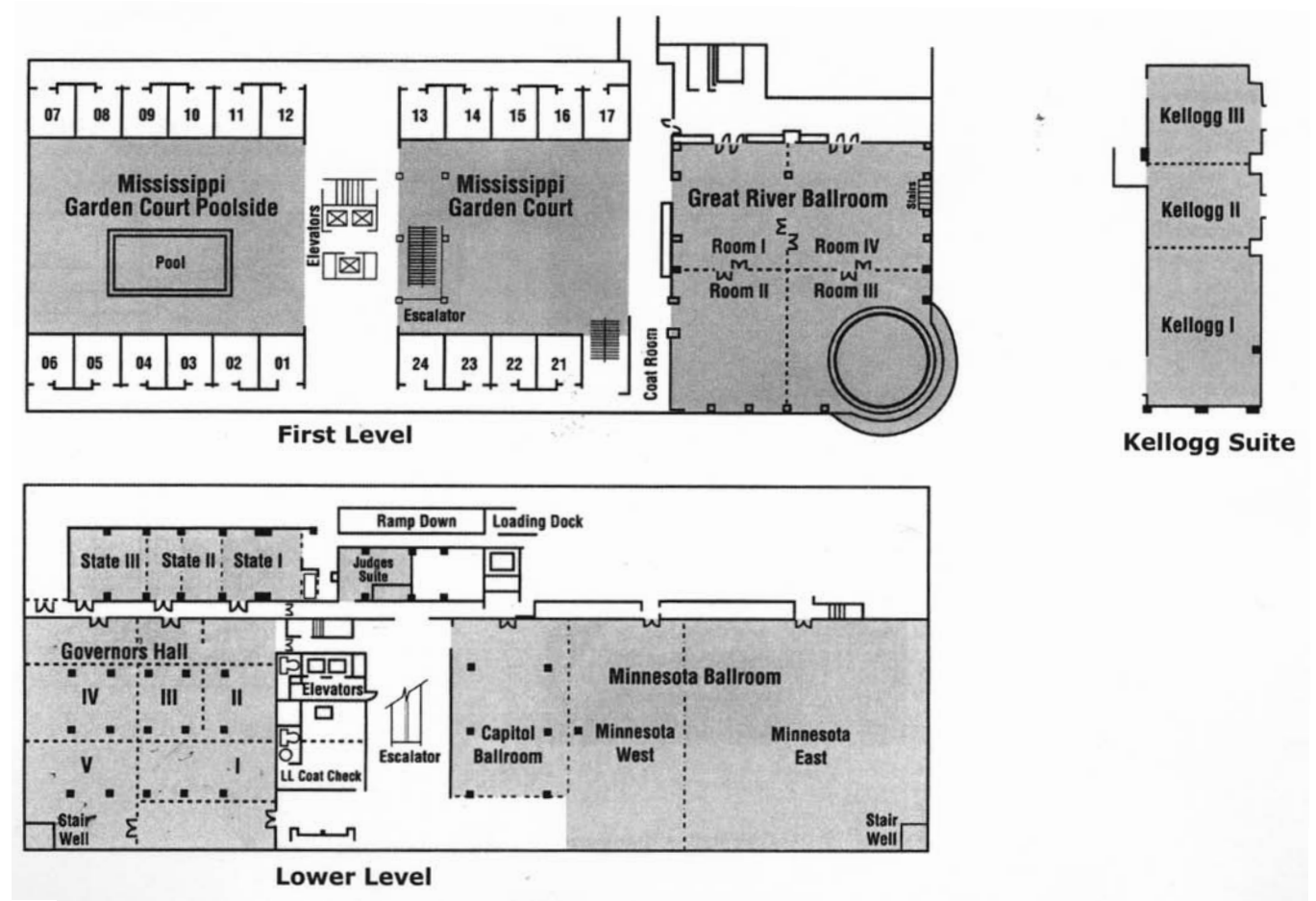
>>> **Poster Spotlight Reception • 6:30-7:30 PM • Minnesota East /Capitol Ballrooms**

GWS2007 features an expanded Poster Session, starting Sunday evening, April 15, and running through Thursday mid-afternoon, April 19. This evening from 6:30 to 7:30, we will host a reception in the area immediately adjacent to the posters. Presenters will be standing by their posters / computer demos so you can ask questions. It's the perfect time to cruise the posters and demos! Complimentary light snacks; cash bar. Once you've viewed the posters, stick around for the Silent Auction Wrap-Up Gala.

>>> **Silent Auction Wrap-Up Gala • 7:30-9:00 PM • Capitol Ballroom**

Immediately following the Poster Spotlight Reception, we'll segue to the wrap-up of the Walkin' in the Footsteps of George Silent Auction to benefit the Travel Scholarship program. Live music and an emcee will get you in the mood to bid on a large variety of fun silent auction items. Your winning bids benefit a great cause, so plan to be there! Complimentary desserts; cash bar.

meeting room locator



		10:00 – 10:25	10:25 – 10:50	10:50 – 11:15	11:15 – 11:40	11:40 – 12:05
Session 27 Minnesota East	Evolving Concepts: The Influence of Native Communities on Cultural Landscape Commemoration / Ellen Lee and Dave Ruppert, co-chairs	Aboriginal Cultural Landscapes in a Parks Canada Context / Ellen Lee	Wherein Lays the Heritage Value? Rethinking the Heritage Value of Cultural Landscapes from an Aboriginal Perspective / Lisa Prosper	From Potsherds to Landscapes: A Cautious Glance Out of the Test Pit / Dave Ruppert	Presentation TBA	Bobbie Conner, discussant
Session 28 Great River I	The Natural Resource Challenge: The Vision, How it Turned Out, Where We Go from Here / Gary Davis, chair	PANEL DISCUSSION PANELISTS: Mike Soukup, Abby Miller, Cat Hawkins Hoffman, Monika Mayr, Jon Jarvis				
Session 29 Great River IV	Understanding Diverse Mechanisms for Protecting Areas from a Global Perspective / Brent Mitchell, chair	PANEL DISCUSSION PANELISTS: Nikita Lopoukhine, Jonathan Putnam				
Session 30 Kellogg I	NATIONAL PARK SERVICE MIDWEST REGION SUPERINTENDENTS' CONFERENCE — BUSINESS MEETING (by invitation only)					
Session 31 Kellogg II	New Technologies in Resource Management, Education, and Interpretation / Ron Moen, chair	Using 3D Models of Yellowstone's Developed Areas to Visualize Different Planning Alternatives / Ann Rodman & Steve Cater	Archeology, National Natural Landmarks, and State Game Sanctuaries: Combining Efforts for Science and Management / Judy Alderson et al.	Agency-Sponsored Treasure Hunts: Providing Alternatives to Traditional Geocaching / Stuart West	Armchair Education and Biology—Are Webcams for You? / Joe Meehan et al.	ROVs in the Great Lakes: National Parks Case Studies / Laurie Harmon & Mark Gleason
Session 32 Kellogg III	Soundscape Management and National Park Planning: Concepts and Cases / Frank Turina, chair	Soundscape Management Planning under the National Park Planning Framework / Vicki McCusker	Managing Noise Instead of Access: Natural Sound Indicators and Standards in the Denali Backcountry Management Plan / Charlie Loeb & Mike Tranel	Soundscape Analysis and Air Tour Management Planning: Methods and Approaches Used at Mount Rushmore National Memorial / Frank Turina	Collecting and Using Audibility Logging Data to Support Soundscape Management and Planning / Dave Schirokauer	Interpreting Soundscape Issues: Making Sound Meaningful / Sky McClain
Session 33 Governors I	Management and Ecology of Ungulates / Dan Licht, chair	Natural Demographics of Bison in the Great Plains / Joshua Millspaugh et al.	Sturgeon River Plains Bison: Wildlife Management at the Public/Private Interface / Jason Kelly et al.	The Deer Quandary at Apostle Islands NL: Efforts to Protect Unbrowsed Landscapes / Julie Van Stappen	Models and the Management of Reintroduced Elk Populations: A Case Study of Theodore Roosevelt National Park / Glen Sargeant & Michael W. Oehler, Sr.	Challenges of Managing Regional Wildlife Populations: A Case Study for Rocky Mountain National Park Elk / Therese Johnson et al.
Session 34 Governors II	Taking Action on Exotic Species in the National Park Service / Rita Beard, chair	Invasive Species Management from Strategy to Action: Implications for the National Park Service / Chris Dionigi & Rita Beard	NPS Exotic Plant Management Teams: Five Years of Serious "Weeding" / Nancy Fraley & Rita Beard	Non-native Pests: A Growing Threat to Forests in Our National Parks / Linda Drees & Scott Schlarbaum	Introduced and Invasive Aquatic Species: A Problem of Increasing Magnitude within the National Park System / James Tilmant	Disposable Pets, Unwanted Giants: Pythons in Everglades National Park / Ray W. Snow & Lori Oberhofer
Session 35 Governors III	Setting the Table for Sustainability: A New Network of National Parks, Local Food Producers, and Craftspeople is Born / Nora J. Mitchell, chair	PANEL DISCUSSION PANELISTS: Rolf Diamant, Wendy Behrman, John Debo, Howard Leavitt, Laura Rotegard				
Session 36 Governors IV	Assessing Public Opinion of Parks and Protected Areas / Michael Schuett, chair	The Tangible Effects of Differential Community Interface on Resource Management / Marc Stern	Factors that Affect Visitor Donations to Park Programs / Elizabeth Halpenny	Public Opinion of Proposed Wilderness in the Sleeping Bear Dunes National Lakeshore Area / Gregory Wood & Carol Griffin	Social Assessment to Inform Coastal Protected Area Management / Thomas E. Fish & Shawn E. Dalton	Perceptions of North Country National Scenic Trail Visitors on the Huron-Manistee National Forest / Carol Griffin & R. Holst
Session 37 Governors V	Beyond the Stand-alone Park: Planning and Managing Protected Area Systems / Mike Scott, chair	America's Conservation Landscape 2076: Where, What, Who? / Mike Scott & Dale Goble	Conserving Bird Diversity in the United States: The Role of the National Wildlife Refuge System / David Rupp & Mike Scott	Working to Complete Canada's National Parks System: Progress and Lessons Learned / Kevin McNamee	The Ecological Content and Context of the National Park Service / Leona Svancara & Mike Scott	What Would We Do Differently if We were Serious about Landscape Context for Our Protected Areas? / Kevin Gergely & Mike Scott
Session 38 State I	Examining Transportation Issues in National Parks / Jeffrey Hallo, chair	Transportation as an Experience: Insights from Interviews with Visitors to Three National Park Service Sites / Jeffrey Hallo & Robert Manning	Alternative Transportation Systems and Visitor Experiences in Yosemite National Park / Dave D. White et al.	An Assessment of Road Impacts on Wildlife Populations in U.S. National Parks / Amanda Hardy et al.	Mass Transportation and Quality National Park Experience: The Going-to-the-Sun Road Example / Melissa Baker	Transportation Research Needs in National Parks: A Summary and Exploration of Future Trends / John Daigle
Session 39 State II	Climate Change and Cultural Heritage: Impacts and Ideas for Protecting Our Natural and Cultural Resources / Michelle Berenfeld, chair	PANEL DISCUSSION PANELISTS: Charles Allen III, Rebecca Beavers, Dinu Bumbaru				
Session 40 State III	Management Interventions for Restoration / Mike Wong, chair	Free of Exotic Pigs: Two Decades of Dedicated Effort / Jim Petterson et al.	Rats and Weeds and Lizards — Oh My! / Daniel Clark et al.	Restoring Ungulate Winter Range In and Near Yellowstone National Park / Mary Hektner et al.	Measures to Prevent Arrival of Further Strains of Eucalyptus Rust to Safeguard Hawaii's Ohia Forest / Lloyd Loope et al.	Free Prisoners! Restoring Buried Wetlands and Protecting Cultural Features at Prisoners' Harbor, Channel Islands National Park / Paula Power et al.

		1:30 – 1:55	1:55 – 2:20	2:20 – 2:45	2:45 – 3:10	3:10 – 3:35
Session 41 Minnesota East	Native American Treaty Rights / Chuck Sams & Robert Miller, co-chairs	PANEL DISCUSSION PANELISTS: Chuck Sams, Robert Miller				
Session 42 Great River I	The NPS Inventory and Monitoring Program: Highlights for Managers, Planners, Interpreters, and Visitors / Steven Fancy, chair / panel discussion	PANEL DISCUSSION PANELISTS: Bert Frost, Steven Fancy, Beth Johnson, Sara Wesser				
Session 43 Great River IV	International Connections: The U.S. National Park Service and the World / Jonathan Putnam, chair	PANEL DISCUSSION PANELISTS: Stephen Morris, Jack Potter, Bill Dolan, Niki Nicholas, Gary Davis				
Session 44 Kellogg I	NATIONAL PARK SERVICE MIDWEST REGION SUPERINTENDENTS' CONFERENCE — BUSINESS MEETING (by invitation only)					
Session 45 Kellogg II	Bioprospecting and Benefits Sharing in the National Park Service / Lindsay McClelland, chair	PANEL DISCUSSION PANELISTS: Michael Soukup, Carla Mattix, Ann Hitchcock, Dale Pate, Tom Oliff				
Session 46 Kellogg III	Post-Wildfire Burned Area Emergency Response / Richard Schwab, chair	Effective Resource Advising and Suppression Rehabilitation, BAER Teams, Planning and Assessments / Sandee Dingman	Flick Creek Fire Case Example / Jack Oelfke	Assessment of the Water Quality and Aquatic Habitat after the French Fire / Jennifer Gibson	Restoration Strategies in Fire-Damaged Mesic and Wet Hawaiian Forest, Hawaii Volcanoes National Park / Rhonda Loh	Planning through Implementation: Kolob Fire Burned Area Restoration, Zion National Park / Kelly Fuhrmann et al.
Session 47 Governors I	Sustainable Tourism / Elizabeth Halpenny, chair	International Perspectives on Visitor Use and Resource Management / Michael Tollefson & N.S. Nicholas	Changing Coastal Agrarian Livelihood Strategies Bordering a Chilean Biosphere Reserve in the Norte Chico / Susie Qashu	Recreation Opportunity Classification and Challenges in Maintaining Recreation Diversity in Thailand's National Parks / Noppawan Tanakanjana	An Integrated Study of Road Capacity at Denali National Park & Preserve / Laura Phillips et al.	Q&A
Session 48 Governors II	Invasive Plant Management in the National Park Service / Rita Beard, chair	Status of Maui Miconia Control in Maui: Seventeen Years of Developing Partnerships and Escalating Management / Jeremy Gooding et al.	Finding Effective Treatments for Japanese Hops: Cooperative Rapid Response to a Newly Invasive Exotic Plant / Sue Salmons et al.	Shrinking Budgets Demand Getting Work Done with Volunteers / James Akerson	Cost-Effective Mapping of Invasive Plants Using Systematic Reconnaissance Flights (SRFs) / Tony Pernas	Minimizing the Spread of Invasive Plants on Roads and Trails / Sarah Wynn & Rita Beard
Session 49 Governors III	Putting Wheels under Science – Communicating about Science: Collaborations, Assessments, and Insights / Diane Pavek, chair	Connecting Research, Education, and Outreach through Research Internships / Joy Marburger (1:30–1:50) • Effective Science Communication: Design Strategies Supporting Resource Management and Stewardship / Giselle Mora (1:50–2:10) • Improving Natural Resource Science Communication in the Midwest Region / Jerrilyn Thompson & Gary Willson (2:10–2:30) • Training Wheels, Best Practices, and Insights on Science Communication for the Public / Christie Anastasia (2:30–2:50) • Sharing Park Science with the Public: Strategy and Tools / Marie Zhuikov (2:50–3:10) • Learning Centers as Communication Tools for Vital Signs Monitoring: One-Stop Shop for Resource Information / Ann Rodman et al. (3:10–3:30)				
Session 50 Governors IV	Offshore Wind Energy on the East Coast: Interior Agencies Discuss Management and Research Issues / David Reynolds, chair	PANEL DISCUSSION PANELISTS: David Reynolds, Susan Russell-Robinson, James Kendall, Scott Johnson				
Session 51 Governors V	Implementing the “Seamless Network” of National Parks, Wildlife Refuges, Marine Sanctuaries, and Estuarine Research Reserves I / Brad Barr et al., co-chairs	“CAFÉ CONVERSATION” WORKSHOP CO-CHAIRS: Gary Davis, Cliff McCreedy, Andrew Gude PART ONE OF A TWO-PART WORKSHOP: CONTINUES IN SESSION #65				
Session 52 State I	NPS Intermountain Region Hot Topics in Resource Stewardship Meeting / Janet Wise, chair	SIDE MEETING (by invitation only)				
Session 53 State II	Developing a Framework for Evaluating Proposals for Scientific Activities in Wilderness I / Susan Boudreau, chair	WORKSHOP PRESENTERS: Peter Landres, Scott Gende, Mark Fincher, Laurel Boyers, Lewis Sharman PART ONE OF A TWO-PART WORKSHOP: CONTINUES IN SESSION #67				
Session 54 State III	Confronting Climate Change / Kathy Jope and David M. Graber, co-chairs	WORKSHOP				

		4:00 – 4:25	4:25 – 4:50	4:50 – 5:15	5:15 – 5:40	5:40 – 6:05
Session 55 Minnesota East	An Interagency and Native Californian Model Collaboration: Public Lands Traditional Gathering Policy / Shannon Brawley, chair	PANEL DISCUSSION OPENING PRAYER: Lucy Parker PANELISTS: Renee Stauffer, Merv George, Sonia Tamez, Ken Wilson DISCUSSANTS: Bernie Weingardt, Mike Pool				
Session 56 Great River I	Highlights from the Chico Hot Springs Workshop on Integrating Science and Park Resource Management / Bruce Bingham, chair	Integration of Science and Management: What Does It Mean? / Robert Bennetts	Communicating Monitoring Results to Multiple Stakeholders at Multiple Scales / Shawn Carter	Integrating Science and Resource Management at a Small Park: A Superintendent's Perspective / Brad Traver	Integrating Science and Park Resource Management: A Large-Park Resource Manager's Perspective / Tom Oliff	The "Planner's Perspective": Integrating Science and Vital Signs into the Planning Process / Kerri Cahill
Session 57 Great River IV	Adapting to Climate Change / Joseph Meyer, chair	Opportunities in a Changing Climate: Biodiversity and Protected Areas in British Columbia / Victoria Stevens	Climate Change and Protected Areas Adaptation in Canada / Christopher J. Lemieux et al.	Enhancing Management of Protected Areas in a Changing Climate / Kelly Levin	Paleontological Parks and Global Change / James Hammett et al.	Establishment of the USA-National Phenological Network: Opportunities for Monitoring, Interpretation, and Management / John Gross et al.
Session 58 Kellogg I	NATIONAL PARK SERVICE MIDWEST REGION SUPERINTENDENTS' CONFERENCE — BUSINESS MEETING (by invitation only)					
Session 59 Kellogg II	Biosphere Reserves in the United States / Tom Gilbert, chair	PANEL DISCUSSION PANELISTS: Kenton R. Miller, John Dennis, Christine Alssen-Norodom				
Session 60 Kellogg III	Assessing Storm Hazards in Vulnerable Areas of the National Park Service / Mark Borrelli, chair	DAY-CAPPER PRESENTERS: Jung Eun Hung, Mark Borrelli, Rebecca Beavers, Gillian Bowser				
Session 61 Governors I	Cultural Resource Management in Wilderness / Paul Gleeson, chair	PANEL DISCUSSION PANELISTS: Jon Jarvis, William Laitner, Rick Potts				
Session 62 Governors II	Wildlife Disease Management in National Parks / Todd Shury, chair	Maintaining Ecological Integrity in Canada's National Parks: To Manage or Not to Manage? / Todd Shury & Stephen Woodley	Back to Basics Management: Could Wolves Control Chronic Wasting Disease? / Margaret Wild et al.	Roles for National Parks in Canada's National Wildlife Disease Strategy / Ted Leighton & Todd Shury	Wildlife Disease in U.S. National Parks: What is Out There? / Jenny Powers & Margaret Wild	Planning for Highly Pathogenic Avian Influenza in Wildlife in the U.S. National Parks / Mark Graham et al.
Session 63 Governors III	Technologies and Applications for Environmental Acoustic Monitoring / Kurt Fristrup, chair	Reducing the Cost and Complexity of Sound Level Monitoring: Less Can Deliver More / Damon Joyce	Denali National Park and Preserve Sound Monitoring Program / Jared Withers & Chad Hults	Acoustic Data Collection in Grand Canyon National Park / Laura Levy et al.	Understanding and Managing Soundscapes in the National Parks: Visitor Use and Soundscape Modeling / Steve Lawson et al.	Automated Processing of Animal Sounds from Long-term Recordings / Russell Charif et al.
Session 64 Governors IV	Managing Landscapes for Social and Cultural Sustainability / Dorothy Anderson, chair	Gigidowin: Dialogue with the Elders / William Allen	The Impacts of Population and Landscape Change on National Parks / Michael Schuett et al.	Racial and Ethnic Minority Under-Representation in Pittsburgh's City Parks: An Empirical Study / Rebecca McCown et al.	Environmental Justice and Sustainable Tourism: The Missing Cultural Link / Tazim Jamal et al.	Q&A
Session 65 Governors V	Implementing the "Seamless Network" of National Parks, Wildlife Refuges, Marine Sanctuaries, and Estuarine Research Reserves II / Brad Barr et al., co-chairs	"CAFÉ CONVERSATION" WORKSHOP CO-CHAIRS: Gary Davis, Cliff McCreedy, Andrew Gude PART TWO OF A TWO-PART WORKSHOP: CONTINUED FROM SESSION #51				
Session 66 State I	CANCELED					
Session 67 State II	Developing a Framework for Evaluating Proposals for Scientific Activities in Wilderness II / Peter Landres, chair	WORKSHOP PRESENTERS: Peter Landres, Scott Gende, Mark Fincher, Laurel Boyers, Lewis Sharman PART TWO OF A TWO-PART WORKSHOP: CONTINUED FROM SESSION #53				
Session 68 State III	Challenges and Rewards of Citizen Science Programs / Sallie Hejl & Joy Marburger, chairs	Citizen Science: A Best Practices Manual and How it Can be Applied / Paul Super et al.	Ivory-billed Woodpecker Searches with Citizen Scientists: Lessons Learned at Congaree National Park / Theresa Thom	Volunteers in the Backcountry: Case Studies of Projects from Rocky Mountain National Park / Cheri Yost & Judy Visty	Using Citizen Science to Determine the Population Status of Common Loons at Glacier National Park / Sallie Hejl & Jami Belt	Global Citizen, Local Volunteer / Beth Middleton

wednesday • april 18

Plenary Session IV

8:00–9:30 AM • Minnesota East Ballroom

Call to Order • Announcements

Rebecca Conard, Middle Tennessee State University / Treasurer, George Wright Society

Speaker Introduction / Session Moderator

Rolf Diamant, Marsh–Billings–Rockefeller National Historical Park / Vice President, George Wright Society

PLENARY ADDRESS

The National Park Service and Civic Reflection

Daniel L. Ritchie, Chancellor Emeritus, University of Denver



Daniel L. Ritchie, in his role as chair of the National Park System Advisory Board’s Education Committee, was instrumental in convening two unprecedented conversations about national parks: the January 14, 2006, Scholars Forum on the National Park Service and Civic Reflection at Independence National Historical Park, and the Interpretation and Education Evaluation Summit, held October 25–26, 2006, at the University of Denver. The Scholars Forum brought together distinguished historians and sociologists to talk with U.S. National Park Service leaders about civic engagement, the place of national parks in our nation’s educational system, and how an NPS commitment to young people and education can strengthen civic awareness and stewardship in America. The Interpretation and Education Evaluation Summit focused on “creating a culture of evaluation” within interpretation and education—infusing evaluative thinking into the design and delivery of interpretive and educational programs, products, and service—to keep national parks relevant in the 21st century and move toward decision-making based on audience analysis and outcome data. Ritchie served on the National Park System Advisory Board from 2002 to 2006. He is former chair of the University of Denver Board of Trustees and was the school’s 16th chancellor, serving from 1989 to 2005. He is now chancellor emeritus. Ritchie remains active in areas of education policy, education financing, early childhood education, and the future of higher education. He has participated in several national and international organizations, including the American Association of University Presidents, the National Association of Independent Colleges and Universities, and the International Association of University Presidents. He is currently chair and CEO of the Denver Center for the Performing Arts, one of the largest cultural complexes in the United States.

Ritchie was CEO of Westinghouse Broadcasting for eight years before moving to Colorado in 1987. That year, the long-time corporate executive began a new life on Grand River Ranch, a large property he had owned near Kremmling for many years. The move to Colorado capped a career of nearly 30 years spent in executive positions with MCA, Inc., and Westinghouse. The son of a North Carolina farm implement dealer, Ritchie grew up during the Great Depression. He became enamored with Colorado during his college years at Harvard, when he spent a summer in a University of Colorado library studying economics. He holds both undergraduate and MBA degrees from Harvard.

recommended readings: civic engagement



- >> “Places of Conscience / Places of Commemoration,” *Common Ground: Preserving Our Nation’s Heritage* (Winter/Spring 2007). This special double issue recaps the 2006 Scholars Forum on the National Park Service and Civic Reflection. Contributors include Eric Foner, Patricia Limerick, Michael Kammen, Edward Linenthal, Richard West, John Hope Franklin, and William Cronon. *A complimentary copy is in your conference packet.*
- “Civic Engagement at Sites of Conscience,” *The George Wright Forum* 19:4 (2002). This special issue has several articles of interest, including:
 - John Tucker, “Interpreting Slavery and Civil Rights at Fort Sumter.” www.georgewright.org/194tucker.pdf
 - Sarah Craighead, “Civic Engagement with the Community at Washita Battlefield National Historic Site.” www.georgewright.org/194craighead.pdf
 - Liz Sevchenko, “Activating the Past for Civic Action: The International Coalition of Historic Site Museums of Conscience.” www.georgewright.org/194sevchenko.pdf
 - Louis P. Hutchins, “Dialogue between Continents: Civic Engagement and the Gulag Museum at Perm-36, Russia.” www.georgewright.org/194hutchins.pdf

Concurrent Sessions 69–90 • 10:00 AM–5:00 PM (see pp. 13–14 for schedule)

On-going events today

Registration • All day • Registration area (Lower Level)

Poster / Computer Demo Session • All day • Minnesota West Ballroom

Posters are available for viewing anytime during the day. Computer demos are available at the discretion of the presenter.

Special events today

Field Trips

All field trips meet in the lobby. Please be in the lobby ready to go 15 minutes prior to departure.

Departs	Trip name	Arrives back at hotel
8:00 AM	St. Croix National Scenic Riverway	5:15 PM
8:00 AM	Minnesota State Parks	5:00 PM
10:00 AM	Great River Bike Tour	4:00 PM
1:00 PM	Historic Murphy’s Landing	5:45 PM
1:00 PM	Historic Minneapolis Riverfront District	5:00 PM
1:30 PM	Bruce Vento Nature Sanctuary	4:30 PM

Native Film Night & Social • 8:00–9:30 PM • Kellogg III

Three short Native-themed films will be shown, total time about one hour, followed by complimentary refreshments. Open to all registrants.

		10:00 – 10:25	10:25 – 10:50	10:50 – 11:15	11:15 – 11:40	11:40 – 12:05
Session 69 Minnesota East	National Park Service Inventory and Monitoring Program Business Meeting I / Steven Fancy, chair	SIDE MEETING (open to all) PART ONE OF A TWO-PART SIDE MEETING: CONTINUES IN SESSIONS #81, 84, 85, 86 & 87				
Session 70 Kellogg I	NATIONAL PARK SERVICE MIDWEST REGION SUPERINTENDENTS' CONFERENCE — BUSINESS MEETING (by invitation only)					
Session 71 State II	Fire in Cultural and Natural Landscapes / Victoria Stevens, chair	Place Meanings of a Changing Cultural Landscape: Implications for Fuel Treatment, Flathead Indian Reservation, Montana / Roian Matt & Alan Watson	Agents of Depredation, Agents of Renewal: Intersections between Fire Management and Aboriginal Policy in Banff National Park / Shauna McGarvey	Untrammeling Fire: Wilderness Restoration, Fire, Advocacy Coalitions, and the Future / David Ostergren	Quantifying Benefits of Low-intensity Fire under a Changing Regulatory and Climate Regime in Yosemite National Park / Leland Tarnay	Influence of Forest Fires on Ozone and Particulate Matter Concentrations in the Western United States / Dan Jaffe et al.
Session 72 Governors IV	Diverse Aspects of the Visitor Experience / Robert Winfree, chair	Bridging the Gap: Managers' Perspectives of Visitor Experiences at Canyon de Chelly National Monument / Carena Van Riper & Dave D. White	Providing Resource Management Directives to Visitors through Commercial Operators at a Fly-in-Only Alaska Park / Troy Hamon	Connecting Visitors to Land, People, and Place: Place Attachment and Perceptions of Cultural Authenticity at Canyon de Chelly National Monument / Megha Budruk et al.	Effective Communication about Natural Resources: Combining Science and Art at Denali National Park and Preserve / Lucy Tyrrell	Q&A
Session 73 Governors I	Research Learning Centers Strategic Planning Session I / Leigh Welling, chair	SIDE MEETING (by invitation only) PART ONE OF A TWO-PART SIDE MEETING: CONTINUES IN SESSION #83				
Session 74 Governors II	Good Up High, Bad Nearby: Ozone Pollution in National Parks / Ellen Porter, chair	Development and Field Testing of a Handbook for Assessing Foliar Ozone Injury on Plants / Robert Kohut	Outside Influences Control the Air Quality in Parks: Trends and New Measurement Tools / John Ray	Ozone Effects in California National Parks and Forests: Science Meets Resource Management and Policy / Judy Rocchio	Foliar Ozone Injury Survey at Mammoth Cave National Park, Kentucky / Bob Carson	Using Students to Monitor Ground-Level Ozone Effects on Plants / Susan Sachs
Session 75 Governors III	Landscapes and Policy / Steve Cinnamon, chair	Glacier National Park and its Neighbors: A Twenty-Year Study in Regional Resource Management / Robert Keiter & Joseph Sax	Extending Habitat Protection Beyond Park Boundaries: A Case Study from Costa Rica / Barry Allen & Lee Lines	A Comparison of Park Management in South Africa and in the United States / Daniel Licht et al.	Stopover Ecology and Habitat Utilization of Migrating Land Birds in Colorado River Riparian Forests of Mexico and the Southwestern U.S. / Charles van Riper III et al.	Using Decision Support Tools to Assist in Open Space Land Acquisition in an Urbanizing Landscape / Stephanie Snyder et al.
Session 76 Capitol	Tribal Parks, Native Tourism, and Living Cultures / Destry Jarvis, chair	PANEL DISCUSSION PANELISTS: Thomas Gates, Bambi Kraus, Alvin Warren, Denelle High Elk				
Session 77 Governors V	The City that Reclaimed the Waterfall that Built It: Minneapolis Riverfront Revival / David Wiggins, chair	PANEL DISCUSSION PANELISTS: John Crippen, Ann Calvert, Jon Oyanagi, David Wiggins				
Session 78 State I	Transcending Boundaries: Facilitating and Managing Complex Systems Change / John Griffin, chair	WORKSHOP				
Session 79	CANCELED					
Session 80 State III	NPS Regional Wilderness Coordinators Meeting I / Tim Devine, chair	SIDE MEETING (by invitation only) PART ONE OF A TWO-PART SIDE MEETING: CONTINUES IN SESSION #90				

Side meetings • Wednesday afternoon, April 18

		TIMES VARY — SEE BELOW
Session 81 Minnesota East	National Park Service Inventory and Monitoring Program Business Meeting II / Steven Fancy, chair	SIDE MEETING (by invitation only) PART TWO OF A TWO-PART SIDE MEETING: CONTINUES FROM SESSION #69 (see Breakout Group Meetings, below) session concludes at 5:00
Session 82 Kellogg I	NATIONAL PARK SERVICE MIDWEST REGION SUPERINTENDENTS' CONFERENCE — BUSINESS MEETING (by invitation only)	session concludes at 5:00
Session 83 Governors I	Research Learning Centers Strategic Planning Session II / Leigh Welling, chair	SIDE MEETING (by invitation only) PART TWO OF A TWO-PART SIDE MEETING: CONTINUES FROM SESSION #73 session concludes at 5:00
Session 84 Governors II	National Park Service Inventory and Monitoring Program Business Meeting / Steven Fancy, chair	I&M BREAKOUT GROUP MEETING
Session 85 Governors III	National Park Service Inventory and Monitoring Program Business Meeting / Steven Fancy, chair	I&M BREAKOUT GROUP MEETING
Session 86 Governors IV	National Park Service Inventory and Monitoring Program Business Meeting / Steven Fancy, chair	I&M BREAKOUT GROUP MEETING
Session 87 Governors V	National Park Service Inventory and Monitoring Program Business Meeting / Steven Fancy, chair	I&M BREAKOUT GROUP MEETING
Session 88 State I	CANCELED	
Session 89 State II	CANCELED	
Session 90 State III	NPS Regional Wilderness Coordinators Meeting II / Tim Devine, chair / side meeting	SIDE MEETING (by invitation only) PART TWO OF A TWO-PART SIDE MEETING: CONTINUES FROM SESSION #80 session concludes at 5:00

thursday • april 19

Plenary Session V

8:00–9:30 AM • Minnesota East Ballroom

Call to Order • Announcements

Brad Barr, National Oceanic & Atmospheric Administration, National Marine Sanctuary Program /
George Wright Society Board of Directors

Speaker Introduction / Session Moderator

Suzanne Lewis, Yellowstone National Park / George Wright Society Board of Directors

PLENARY ADDRESS

Media Realities: The Complex Environment of News Reporting

Elizabeth Arnold, reporter, National Public Radio



Elizabeth Arnold is a freelance reporter for NPR. From 2000–2004, she was an NPR national correspondent, covering America's public lands with a focus on the environment, politics, economics, and culture. Arnold's 15 years of reporting experience with NPR began in rural Alaska, moved to the halls of Congress and the presidential campaign trail, and then back west. That path imbues Arnold's reports with both the seasoned experience of national politics and a personal understanding of the rapidly changing American West.

Arnold's stories are heard on *Morning Edition*, *All Things Considered*, and *Weekend Edition*. Her analysis has also been featured on NPR's *Talk of the Nation* and numerous election specials. She has been a substitute host for *Morning Edition* and *All Things Considered*. She has been a frequent panelist on PBS's *Washington Week in Review* and a guest on the *Jim Lehrer Newhour*.

Arnold's career with NPR officially began the day the *Exxon Valdez* ran aground in Prince William Sound. Visiting NPR headquarters in Washington, D.C., on an internship, she was immediately pressed into service, and spent the next few weeks covering the response to the massive oil spill from the White House to the congressional investigation on Capitol Hill.

For for the last six years Arnold has been covering conservation and public lands issues in North America and abroad for both NPR and *National Geographic*—for example, the environmental consequences of the tsunami in Sri Lanka, the effects of climate change on alpine plants in Tibet, and, most recently, conservation efforts in Mongolia with regard to snow leopards and gazelles.

recommended readings: communicating the environment & navigating the new media

- Daniel Yankelovich, "Winning Greater Influence for Science," *Issues in Science & Technology Online* (Summer 2003). An exceptionally clear discussion of the perennial problems facing scientists when they try to translate their worldview and truth standards into words and images that the general public can understand. www.issues.org/19.4/yankelovich.html
- Andreas Kluth, "Among the Audience," *The Economist* (April 2006). Kluth says we are entering a time when Internet users will be putting as much into the network as they get out of it—a two-way pipeline that the Internet was not really built for. "Participatory media," he says, presumes "always-on broadband access" that currently exists only in Hong Kong, Japan, and South Korea. Once the U.S. and Europe catch up in terms of the in/out pipeline, journalism will truly enter a whole new era. www.economist.com/surveys/displayStory.cfm?story_id=6794156
- The New Media Lecture Series, University of California, Berkeley. Held in March 2006, the lectures cover topics such as how to create a multimedia story, integrating citizen journalism into stories, and doing flash stories. Webcasts and PowerPoint presentations are available on the site for viewing/download. <http://journalism.berkeley.edu/events/details.php?ID=295>
- John D. Varley and Paul Schullery, "Reaching the Real Public in the Public Involvement Process: Practical Lessons in Ecosystem Management," *The George Wright Forum* (1996). An unusually candid assessment of the challenges of reaching the "reachable" segment of the general public—that is, the people not on the extremes of an issue. Includes practical techniques for bypassing the filters of the media and getting park-related messages directly into the hands of the public. www.georgewright.org/134.pdf
- Michael Kinsley, "Do Newspapers Have a Future?," *Time* (October 2, 2006). Newsprint journalists are (understandably) preoccupied with this question nowadays. Kinsley's verdict? "Newspapers on paper are on the way out." What exactly will replace them is up in the air, but, no matter what, "there is room between the *New York Times* and myleftarmpit.com for new forms that liberate journalism from its encrusted conceits while preserving its standards, like accuracy." www.time.com/time/magazine/article/0,9171,1538652,00.html

IMPORTANT! *Thursday's afternoon sessions begin at 1:00 pm—30 minutes earlier than normal—so that we can accommodate Plenary Session VI on the program (for details on that plenary, see next page). Plan on grabbing a quick lunch today!*

Concurrent Sessions 91–132 • 10:00 AM–5:35 PM (see pp. 17–19 for schedule)

On-going events today

>>> **Registration • All day • Registration area (Lower Level)**

>>> **Poster / Computer Demo Session • 8:00 AM–3:00 PM • Minnesota West Ballroom**

Posters are available for viewing anytime. Computer demos are available at the discretion of the presenter. The poster session concludes at 3:00 PM. All posters must be removed by 3:30 PM.

Plenary Session VI

5:30–6:30 PM • Minnesota East Ballroom

Call to Order

Abigail B. Miller, National Park Service (retired) / President, George Wright Society

PLENARY PANEL DISCUSSION

Adapting to Global Change: Perspectives from North American Park Leaders

Moderator

Ernest Quintana, Regional Director, Midwest Region, U.S. National Park Service

Panelists

Mary Bomar, Director, U.S. National Park Service

Ernesto C. Enkerlin Hoeflich, President, Comisión Nacional de Áreas Naturales Protegidas (Mexico)

Alan Latourelle, Chief Executive Officer, Parks Canada

In this panel discussion, the leaders of the three national park and protected area agencies in North America offer perspectives on what their agencies can do to adapt to sweeping global changes. They have been asked to reflect upon what they think the greatest challenges are to their agency in terms of adapting to global change, and what kinds of cooperation will be needed among Canada, Mexico, and the USA to meet these challenges. The focus will be on how each agency is positioned to respond to current global trends, and what each agency needs to do better in order to make sure parks, protected areas, and cultural sites remain relevant in a fast-changing 21st century.



Mary Bomar was sworn in as the 17th director of the United States National Park Service in October 2006. From 2003 to 2005, Bomar served as superintendent of Independence National Historical Park in Philadelphia. During her tenure, both the Liberty Bell Center and the National Constitution Center opened in the park on Independence Mall as part of the largest urban revitalization project in the nation. Also during her tenure, the NPS reopened the park's Second Bank of the United States after a two-year utilities project and installed a new exhibit, "The People of Independence." Concurrently, the park managed a \$5.2 million rehabilitation of Independence Square, the site of Independence Hall.

Previously, Bomar served as the first superintendent at the Oklahoma City National Memorial, the first NPS Oklahoma state coordinator, acting superintendent at Rocky Mountain National Park, and assistant superintendent at San Antonio Missions National Historical Park. Bomar's National Park Service career began in the financial arena at Amistad National Recreation Area in Texas where she served as chief of administration. Prior to joining the National Park Service, Bomar worked in a managerial capacity at the Department of Defense. Raised in Leicester, England, Bomar became a U.S. citizen in 1977.

Ernesto C. Enkerlin Hoeflich is a native of Monterrey, Mexico, and graduated from Monterrey Tech with a degree in agronomy, wildlife, and animal science. He then worked as a conservation-oriented entrepreneur, developing and managing diversified wildlife/cattle ranches and fruit orchards and establishing cooperative marketing labels. In 1990, Enkerlin turned full-time to conservation and sustainable develop-



ment issues, and earned a Ph.D. in Wildlife Ecology from Texas A&M University in 1995. He remains an active researcher on using flagship species for ecosystem and landscape conservation; designing, promoting, financing, and managing protected natural areas; and planning regional land use for sustainability. In 1997, Enkerlin founded and directed Pronatura Noreste and positioned it as one of Mexico's leading conservation organizations.

In January 2001, he was tapped by former President Vicente Fox to lead the National Commission for Protected Areas of Mexico. In just the first two years of his tenure, the Commission increased its budget by 24%, regionalized operations, obtained international funding of over US\$70 million, developed innovative mechanisms for user fees, started private-public partnerships in land conservation, added about 1 million hectares of protected area, created the country's first 15 wildlife sanctuaries, and initiated the consolidation and increased visibility of this young organization and its mandate in Mexican public policy.



Alan Latourelle is chief executive officer of the Parks Canada Agency, a federal agency responsible for the protection and presentation of 41 national parks, 195 national historic sites, and two national marine conservation areas across Canada. Parks Canada employs in excess of 5,500 individuals and is the largest provider of heritage tourism products in Canada. Prior to his appointment in 2002, Latourelle served as Parks Canada's chief administrative officer. From 1997 to 1999 he was based in Calgary as Parks Canada's director general for Western and Northern Canada. While in that position he ensured that federal government objectives were achieved by developing sound public policies and service delivery approaches within a multi-stakeholder environment where conflicting interests are highly political and publicized by the media. In this environment, Latourelle led national policy initiatives that are considered landmark decisions for the protection of national parks.

Before joining Parks Canada, Latourelle spent the previous 14 years in different departments and crown corporations in the federal government, occupying positions of increasing responsibility in the field of corporate services, strategic planning, portfolio affairs, policy, and operational program delivery. Latourelle is a graduate of the Université du Québec à Hull in Accounting and holds a Masters of Business Administration from Queen's University.

Special events today

>>> **GWS / NPS Awards Banquet • 7:00–9:30 PM • Science Museum of Minnesota**

A George Wright Society tradition, the Thursday evening Awards Banquet recognizes the winners of "Imagine Excellence," the GWS awards program. For GWS2007, the banquet will also feature the presentation of the National Park Service Director's Awards for Natural Resource Stewardship. In addition, former U.S. Vice President Walter Mondale will receive an Honorary Park Ranger Award.

The banquet will be held at the Science Museum of Minnesota, a four-block walk from the Crowne Plaza (transportation not provided). Seating for dinner is at 7:15; however, your banquet ticket gives you free admission to the museum all day, so you'll be welcome to browse the award-winning exhibits anytime today. Advance ticket purchase required.

		10:00 – 10:25	10:25 – 10:50	10:50 – 11:15	11:15 – 11:40	11:40 – 12:05
Session 91 Minnesota East	Delivering Your Message to the Public: Breaking News and Blogs / Mike Whatley, Peter Dratch, Jackleen de La Harpe, co-chairs	WORKSHOP PRESENTERS: Elizabeth Arnold, others TBA				
Session 92 Great River I/IV	Innovative Tools for Collecting, Managing, and Delivering Inventory and Monitoring Data / Peter Budde, chair	Rugged Tablet Computers in the Wilds of Alaska: Bringing Data Quality Control to the Field / Doug Wilder	A Database Template for Managing Natural Resource Inventory and Monitoring Data / Margaret Beer	The NPS Metadata Tools and Editor / Chris Dietrich	The NPS Data Store: "Open" for Data Discovery and Delivery / Peter Budde	Development of an Internet Mapping Service to Visualize and Distribute Environmental Monitoring Data / Mark Hart
Session 93 Great River II/III	When Preservation Isn't Enough: The Case for Active Management in the NPS (Part 1) / Karl Brown, chair	Managing for Wild Nature: A National Parks Management Strategy for the 21st Century / Jerry Freilich & Philip Cafaro	The Changing Definition of Native Species: All Natives are Not Created Equal / Nancy Brian & Rita Beard	Making the Difficult Decision to Use Herbicides / Rita Beard & Carol DiSalvo	Managing Wildlife Health and Disease in an Ever-shrinking World / Jenny Powers et al.	Integrating the Human and Ecological Dimensions of Biological Resource Management to Improve Decision-making / Kirsten Leong et al.
Session 94 Kellogg I	NATIONAL PARK SERVICE MIDWEST REGION SUPERINTENDENTS' CONFERENCE — BUSINESS MEETING (by invitation only)					
Session 95 Kellogg II	Healthy Parks, Healthy People: An Examination of the Paradigm of Parks and Today's Health Issues / Alex McIntosh, chair	PANEL DISCUSSION WITH PAPER PRESENTATIONS PANELISTS: Alex McIntosh, Gerard O'Neill, others TBA				
Session 96 Kellogg III	Local Knowledge, Living Traditions / Elaine Leslie, chair	Protecting Resources, Protecting Livelihoods: Contributions of Traditional Ecological Knowledge to the Development of Scientific Policy / Elizabeth Barron	Commercial Grizzly Bear Viewing Management in the Fishing Branch (Ni'iniini Njik) Protected Area (Yukon, Canada) / Erik Val	Bears, Fish, Prehistory, and Deferred Maintenance at Brooks Camp, Katmai National Park and Preserve / Dale Vinson	Collaborative Archaeology at Hassanamesit Woods / Rae Gould	One Landscape, Multiple Histories: The Partnership to Preserve Hassanamesit Woods / Joanna Doherty & Edmund Hazzard
Session 97 Governors I	Factors Affecting Mercury Accumulation and Biomagnification in National Parks in the Great Lakes Region / Larry Kallemeyn & Steve Windels, co-chairs	Human and Natural Controls on Methylmercury in Aquatic Food Webs of Voyageurs NP and Apostle Islands NL / James Wiener et al.	Synergistic Effects of Water-table Fluctuation and Atmospheric Sulfate on Methylmercury Production in Boreal Wetlands / Jill Coleman-Wasik et al.	Impact of Wildfire on Mercury in Forest Soils, Voyageurs National Park, Minnesota / Laurel G. Woodruff & William F. Cannon	Decline in Mercury Levels in Fish in Inland Lakes of Isle Royale National Park / Paul Devnick et al.	Monitoring Mercury in Wildlife / David Evers
Session 98 Governors II	The Evolving Wilderness: New Perceptions, New Management Challenges / Alan Watson, chair	Rethinking Wilderness Concepts in a Changing World: A Canadian Perspective / Kevin McNamee	Keeping the Wild in Wilderness: Minimizing Nonconforming Uses in the National Wilderness Preservation System / Kevin Proescholdt	NPS Managers' Perceptions of Wilderness Day Use: Use Patterns, Impacts and Management Practices / James D. Abbe & Robert Manning	The Adaptable Human: Implications for Recreation Management in Wilderness / David Cole & Troy Hall	Evaluating Research Proposals in Wilderness: Policy Guidance, the NEPA Connection, and Minimum Requirements Analysis / Richard L. Anderson
Session 99 Governors III	State Agency Responses to the Challenges of Climate Change Impacts for Fish and Wildlife Resources / Amber Pairis, chair	PANEL DISCUSSION PANELISTS: Jim DeVos, Randy Kreil, Greg Wathen, Fred Harris, Priya Nanjappa-Mitchell, Dave Schad				
Session 100 Governors IV	The NASA/NPS Connection: Parks for Science, Science for Parks (Part 1) / Woody Turner & Mike Story, co-chairs	Assessment of Mangrove Height, Biomass, Productivity and Hurricane Impact in Everglades National Park / Marc Simard et al.	Utilizing Remote Sensing to Analyze Aerosols over Glacier National Park, Montana / Amanda D. Smith et al.	Evaluation of Integrating NASA's Invasive Species Forecasting System to Support National Park Service Decisions / Jeffrey T. Morissette et al.	Monitoring Resources in the Fremont-Winema National Forest and Yosemite National Park Using Satellite Imagery / J.W. Skiles et al.	Using Satellite-based Tree Cover and Impervious Cover Data to Monitor National Parks in the Upper Delaware River Basin / Eric Brown de Colstoun et al.
Session 101 Governors V	The BLM's National Landscape Conservation System: Opportunities for and Challenges to Conserving Public Lands in the 21st Century / Mala Malhotra, chair	PANEL DISCUSSION PANELISTS: Elena Daly, Wendy Vanasselt, Nina Chambers, Gregory A. Miller				
Session 102 State I	Ocean Park Stewardship Action Plan / Cliff McCreedy & Gary Davis, chairs	SIDE MEETING (OPEN TO ALL)				
Session 103 State II	Interpreting Contested Cultural Heritage / Robert Fudge, chair	Partnerships and New Interpretations of Neglected Native American Stories and Places / Anne Ketz	The Ename Charter for the Interpretation of Cultural Heritage Sites: Evolution, Impacts and Opportunities / Suzanne Copping & Claudia Liuzza	An Ename Charter Perspective on Interpreting the History of the Cane River, Louisiana, Region / David Morgan et al.	Whose Interpretation Is It? / Lloyd Masayumptewa	Q&A
Session 104 State III	Indicators and Standards for NPS Units in the Great Lakes/Northern Forest Cooperative Ecosystem Studies Unit / Robert Manning, chair	WORKSHOP PRESENTERS: Jerrilyn L. Thompson, others TBA				

		1:00 – 1:25	1:25 – 1:50	1:50 – 2:15	2:15 – 2:40	2:40 – 3:05
Session 105 Minnesota East	Delivering Your Message to the Public: Engaging the News Audience through Complex Stories / Mike Whatley, Peter Dratch, Jackleen de La Harpe, co-chairs	WORKSHOP PRESENTERS: Elizabeth Arnold				
Session 106 Great River I/IV	Natural Resource Assessments: Approaches for Evaluating Resource Condition / William Knight, chair	PANEL DISCUSSION PANELISTS: Stephen Woodley, Donald McLennan, Steven Fancy, Jeff Albright, William Knight				
Session 107 Great River II/III	When Preservation Isn't Enough: The Case for Active Management in the NPS (Part 2) / Karl Brown, chair	Managing to Give Nature a Chance / Jerry Mitchell	Data-driven Decision-making and Management / Mark Wotawa and Peter Dratch	Beyond Hunting: Increasing the Options for Effective Wildlife Management in the National Park System / Margaret Wild et al.	Livestock as Management Tools in National Parks: Challenges and Opportunities / Ben Bobowski	Moderated audience discussion: When do you think active management is appropriate in a national park?
Session 108 Kellogg I	NATIONAL PARK SERVICE MIDWEST REGION SUPERINTENDENTS' CONFERENCE — BUSINESS MEETING (by invitation only)					
Session 109 Kellogg II	Relationships and Understanding: The Building Blocks at Jeffers Petroglyphs and Pipestone National Monument / Thomas Sanders, chair	PANEL DISCUSSION PANELISTS: Joe Williams, Tom Ross, Thomas Sanders, Gia Wagner				
Session 110 Kellogg III	External Review for Interpretive, Educational or Cultural Resource Programs: The Benefits and Challenges / Doris Fanelli & Steve Sikarski, co-chairs	WORKSHOP				
Session 111 Governors I	Monitoring and Managing Avian Species / Steve Windels, chair	Use of Digital Recordings to Supplement Avian Surveys / Skip Ambrose & Sonya Daw	Human Dimensions of California Condor Reintroduction / Jim Petterson et al.	Population Ecology of Mexican Spotted Owl Prey in Grand Staircase-Escalante National Monument: Top Down or Bottom Up? / David Willey	Managing Park Habitats for Viable Songbird Populations / Lisa Petit et al.	Biological Integrity and Diversity: Waterfowl and the National Wildlife Refuge System / Anna Pidgorna
Session 112 Governors II	Protected Areas and Democracy: Participation, Exclusion, Burdens, and Benefits / Chair: David Ostergren	The Rules They are a Changin': Russian Protected Area Institutions Adapt to Regional Strategies / David Ostergren	The Historical Roots of Modern Exclusionary and Paternalistic Protected Area Policies toward Indigenous People / Dennis Martinez	Protected Areas and Ecological Democracy in Nepal: Towards Community-based Protected Areas Management / Sudeep Jana Thing & Somat Ghimire	Community Perceptions of Wildlife and Protected Areas in Ethiopia / Rob Lilieholm et al.	Finding Identity with Cultural Protected Areas: The Vevè of Afa, Palma Soriano, Cuba / Maria Ayub
Session 113 Governors III	Visitor Impact Monitoring Protocols as Applied to Yosemite National Park / Yu-Fai Leung & Peter Newman, co-chairs	Establishing Water Quality Standards for the Merced and Tuolumne Wild and Scenic Rivers in Yosemite National Park / Jim Roche et al.	Keeping Wildlife Wild: Addressing Human-Wildlife Interactions in Yosemite National Park / Tori Seher et al.	Happy Trails: Combining Natural Resource Preservation and Visitor Use in Yosemite National Park / Crystal Elliot et al.	If the Shoe Doesn't Fit, Wear It! Integrating Cultural Resources and Visitor Use Management in Yosemite National Park / Laura Kirn et al.	Monitoring Visitor Use and Experiential Conditions in Yosemite National Park: A Case Study of Successes and Lessons Learned / Peter Newman et al.
Session 114 Governors IV	The NASA/NPS Connection: Parks for Science, Science for Parks (Part 2) / Anita Davis & Mike Story, co-chairs	Climate Change and the National Park System / Cynthia E. Rosenzweig & Radley M. Horton	Visualizing Yellowstone through an Interactive Kiosk / Fred Watson et al.	Grand Canyon Fly-through Animation and Grand Canyon Comparison to Valles Marineris on Mars / Andy Pearce et al.	Use of LIDAR Digital Map Atlases in Natural Resources / Brian Witcher & Judd Patterson	Urbanization in the Chesapeake Bay Watershed: A Modeling Tool to Support Decision-making for Watershed Management / Claire A. Jantz et al.
Session 115 Governors V	Aquatic Non-native Species: An Increasing Problem in the National Park System / James Tilmant, chair	Non-native Species in the Great Lakes / Jay Glase & Brenda Moraska-Lafrancios	Non-native Aquatic Species Research, Monitoring and Removal at Point Reyes NS and Golden Gate NRA / Ben Becker et al.	Fish Introductions into South Florida National Parks: An Unforeseen Consequence of Restoration / William Loftus et al.	Unintended Consequences: The Continuing Impact of Fish Stocking in Rocky Mountain National Park / Mary Kay Watry	Preventing Zebra Mussel (<i>Dreissena</i> sp.) Infestation at Lake Powell / Mark Anderson & Jesse Granet
Session 116 State I	Renewing Connections to America's Wilderness in a Changing World / Connie Myers, chair	PANEL DISCUSSION PANELISTS: Bill Paleck, Saul Weisberg, Cicely Muldoon, Wyndeth Davis, Laurel Boyers				
Session 117 State II	Engaging Youth / Rebecca Conard, chair	Last Child in the Parks? Age Trends in U.S. National Park Visitation / Jim Gramann et al.	Using Experiential Learning Opportunities in the National Parks to Inform Science Classroom Practice / Michael Marlow	Teacher to Ranger to Teacher Program: Making Parks Relevant to a New Audience / Linda Lutz-Ryan	Texas Latino College Student Outdoor Recreation Participation Levels and Natural Resource and Environmental Attitudes / Angelica Lopez et al.	Q&A
Session 118 State III	Annual Meeting of the NPS CESU Research Coordinators I / Gary Willson, chair	SIDE MEETING (by invitation only) PART ONE OF A TWO-PART SIDE MEETING: CONTINUED IN SESSION #132				

		3:30 – 3:55	3:55 – 4:20	4:20 – 4:45	4:45 – 5:10	5:10 – 5:35	
Session 119 Minnesota East	Delivering Your Message to the Public: What's the Media Got to Do with It? / Mike Whatley, Peter Dratch, Jackleen de La Harpe, co-chairs / day-capper	DAY-CAPPER PRESENTERS: Elizabeth Arnold, others TBA					
Session 120 Great River I/IV	Landscape Dynamics: Monitoring Approaches and Tools for Protected Area Managers / Donald McLennan, chair	WORKSHOP PRESENTERS: John Gross, Steven Fancy, Stephen Woodley					
Session 121 Great River II/III	Social Dynamics of Yellowstone's Snowmobile Controversy / John Sacklin, chair / DAY-CAPPER	Snowmobiles in Yellowstone: Contested Landscape, Conflicting Meanings / Michael Yochim	The Relationship of Visitor Values and Meanings to Support for Yellowstone National Park Management / Wayne Freimund & Mike Patterson	It's All About Communication: Developing Shared Stewardship in the Winter Use Planning Process / Denice Swank			
Session 122 Kellogg I	NATIONAL PARK SERVICE MIDWEST REGION SUPERINTENDENTS' CONFERENCE — BUSINESS MEETING (by invitation only)						
Session 123 Kellogg II	Dealing with Recreational Impacts on Marine Resources: We're All in the Same Boat / Cliff McCreedy, chair	A Systematic Approach to Seagrass and Coral Reef Restoration in the National Parks / Joe Carriero	Managing Visitor Impacts to Coastal and Submerged Resources in Virgin Islands National Park / Ralf H. Boulon, Jr.	Addressing Recreational Fisheries in Marine Parks through Interagency Cooperative Fishery Management Plans / James T. Tilmant	Managing Recreational Activities in NOAA National Marine Sanctuaries / Brad Barr	Marine Education: Charting a Course for Resource Protection / Cliff McCreedy	
Session 124 Kellogg III	Youth Voice and Natural Parks / Corliss Wilson Outley, chair	PANEL DISCUSSION PANELISTS: Corliss Wilson Outley, Sonja Wilhelm, Janise LaBoard, Sam Roberson					
Session 125 Governors I	Using Fire as a Restoration Tool: Examples from the Midwest Region / Kara Paintner	Use of Prescribed Fire to Restore Grasslands in National Park Units of the Northern Great Plains / Andy Thorstenson & Cody Wienk	Restoring Ponderosa Pine Forests at Devils Tower NM and Mount Rushmore NM Using Mechanical Fuel Reduction and Prescribed Fire / Cody Wienk & Andy Thorstenson	Effect of Prescribed Fire on Herbaceous Biotic Diversity and Cover in Upland Oak-Hickory-Pine Forests at Ozark National Scenic Riverway / Dan Swanson	Monitoring Restoration of a Tallgrass Prairie, Indiana Dunes National Lakeshore / Scott Weyenberg & Amy Ortnier	CONCLUDING PANELISTS: Doug Alexander, Dan Swanson, Andy Thorstenson, Scott Weyenberg, Cody Wienk	
Session 126 Governors II	When Sustainability is the Treasure / Delia Clark, chair	DAY-CAPPER					
Session 127 Governors III	A Workshop to Discuss the Approval Process for National Park Service-Sponsored Public Surveys / Robert Manning, chair	WORKSHOP					
Session 128 Governors IV	The Craziest Thing I Ever Saw in Wilderness / Alan Watson, chair	DAY-CAPPER PRESENTERS: Alan Watson, He Yang					
Session 129 Governors V	Consultation Tales: Four Experiences / Gerard Baker, chair	PANEL DISCUSSION PANELISTS: Gerard Baker, Tim Mentz, Nathalie Gagnon, Glen Livermont					
Session 130 State I	Building Leadership for the 21st Century in Public Land Agencies / Brian Kenner, chair	DAY-CAPPER PRESENTERS: Brian Kenner, Kathy Jope, Dan Evak					
Session 131 State II	Wildland/Urban Interface / (SESSION IN DEVELOPMENT) /	PENDING	PENDING	PENDING	PENDING	PENDING	
Session 132 State III	Annual Meeting of the NPS CESU Research Coordinators II / Gary Willson, chair / side meeting	SIDE MEETING (by invitation only) PART TWO OF A TWO-PART SIDE MEETING: CONTINUED FROM SESSION #118					

friday • april 20

Concurrent Sessions 133–146 • 8:00–10:05 AM (see p. 21 for schedule)

Registration • until 10:00 AM • Registration area (Lower Level)

Plenary Session VII

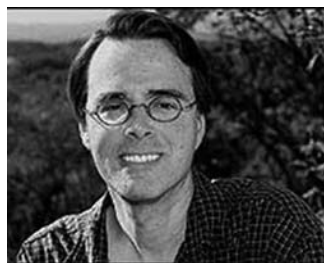
10:30 AM–12:00 PM • Minnesota East Ballroom

Call to Order • Announcements

Abigail B. Miller, National Park Service (retired) / President, George Wright Society

Speaker Introduction / Session Moderator

Stephanie Toothman, National Park Service / George Wright Society Board of Directors



PLENARY ADDRESS

The Pristine Myth

Charles C. Mann, author

Charles C. Mann's most recent book is *1491: New Revelations of the Americas Before Columbus* (Knopf), which won the National Academy of Science's Keck Prize for the best book of the year. A correspondent for *The Atlantic Monthly* and *Science*, he has covered the intersection of science, technology, and com-

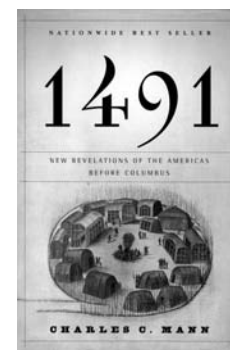
merce for many newspapers and magazines here and abroad. In addition to *1491*, he has co-written four other books, including *The Second Creation: Makers of the Revolution in 20th-Century Physics* (rev. ed., 1995) and *Noah's Choice: The Future of Endangered Species* (1995). He has also written for CD-ROMs, HBO, and the television show "Law and Order," and was the text editorial coordinator for the internationally best-selling photographic projects *Material World* (1994), *Women in the Material World* (1996), and *Hungry Planet* (2005). A three-time National Magazine Award finalist, he has received writing prizes from the Lannan Foundation, the American Bar Association, the Alfred P. Sloan Foundation, and the Margaret Sanger Foundation.

Conclusion of the Conference

Abigail B. Miller, National Park Service (retired) / President, George Wright Society

A book signing by Mr. Mann will follow immediately upon the conclusion of the conference. The book signing will take place at the Birchbark Books booktable in the Lower Level Foyer. Copies of *1491* will be available for purchase.

recommended readings: rethinking what we call "natural"



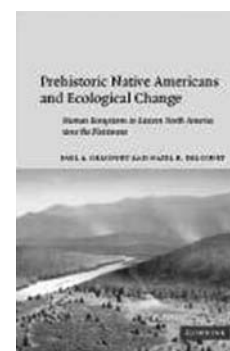
>> Charles C. Mann, *1491: New Revelations of the Americas Before Columbus* (2005). "Powerful, provocative, and important.... *1491* vividly compels us to re-examine how we teach the ancient history of the Americas." – Alan Taylor, *Washington Post Book World*. "A landmark of a book that drops ingrained images of colonial America into the dustbin one after the other." – Roger Atwood, *Boston Sunday Globe*. "Surprising, intriguing stories fill the pages of *1491*.... Mann taps into recent scholarship that challenges the conventional wisdom about Indian culture, society, and politics." – Christopher Farrell, *Businessweek*.

- William Cronon (ed.), *Uncommon Ground: Rethinking the Human Place in Nature* (1996). Contains Cronon's seminal critique "The Trouble with Wilderness; or, Getting Back to the Wrong Nature." This essay set off a firestorm of debate that still hasn't died down.



>> J. Baird Callicott and Michael P. Nelson (eds.), *The Great New Wilderness Debate: An Expansive Collection of Writings Defining Wilderness from John Muir to Gary Snyder* (1998). Most of the important recent thinkers on wilderness are represented in this large collection of essays that considers the social science critique of wilderness from all angles. Cronon's "Trouble with Wilderness" essay is included—and vigorously challenged by wilderness stalwart Dave Foreman. Also particularly valuable are some of the essays in the section titled "Third and Fourth World Views of the Wilderness Idea."

- Alice Beck Kehoe, *The Land of Prehistory: A Critical History of American Archeology* (1998). Kehoe's thesis is that "archeology as a science, the systematic study of the human past, was constructed in the mid-nineteenth century by men committed to an interpretation of history untrammelled by the authority of texts."



>> Paul A. Delcourt and Hazel R. Delcourt, *Prehistoric Native Americans and Ecological Change: Human Ecosystems in Eastern North America Since the Pleistocene* (2004). Helps resolve disagreements between ecologists and archaeologists about the importance of prehistoric Natives as agents for change.

- Adrian Phillips, "Turning Ideas on Their Head: The New Paradigm for Protected Areas," *The George Wright Forum* (2003). Phillips recounts the rise of the "new paradigm" of protected areas. It recognizes that the Yellowstone model "is now often regarded as incomplete, and in some situations potentially counterproductive"—especially in contexts outside of North America. New paradigm protected areas, such as protected landscapes, focus on places where it is difficult or impossible to distinguish natural dynamics from changes that are the result of cultural choices. www.georgewright.org/202phillips.pdf

- Harvey Locke and Philip Dearden, "Rethinking Protected Area Categories and the New Paradigm," *Environmental Conservation* (2005). Locke and Dearden contend that support for the new paradigm by such organizations as IUCN–The World Conservation Union has gone too far. The new paradigm "will devalue conservation biology, undermine the creation of more strictly protected reserves, inflate the amount of area in reserves and place people at the centre of the protected area agenda at the expense of wild biodiversity."

		8:00 – 8:25	8:25 – 8:50	8:50 – 9:15	9:15 – 9:40	9:40 – 10:05
Session 133 Minnesota East	Research for Management: Paleocological Baseline Information for Conservation Biology / Shinya Sugita & Diane Larson, chairs	Using Research to Improve Management: The Two-way Street of Communication / Diane Larson et al.	Future Maintenance of Biodiversity within the South Swedish Cultural Landscape: Contribution of Palaecological Studies / Marie-José Gaillard	Signals of Landscape Destabilization from Paleocological Records: Their Relevance to Management of Michigan's Public Lands / Walter Loope & David Lytle	Paleoecology for Conservation Biologists and Park Managers in North America / Shinya Sugita	Q&A
Session 134 Minnesota West	The National Park Service Interpretation and Education Renaissance / David Larsen, chair	PANEL DISCUSSION PANELISTS: David Larsen, Julia Washburn, Patti Reilly				
Session 135 Capitol	Sustaining Indigenous Cultures in an Alaska-Canada Border World Heritage Site / Barbara Cellarius, chair	Introducing the Kluane / Wrangell-St. Elias / Glacier Bay / Tatshenshini-Alsek World Heritage Site / Vicki Snitzler & Peter Levy	Healing Broken Connections / Craig McKinnon	Return to K'wát' Aani (Seagull Eggs Land): Restoration of a Native Tradition in Glacier Bay / Kenneth Grant	The Role of Subsistence in Ahtna Village Economies Today / Kathryn Martin	Connecting Place and Science: Katie John and the Tanada Creek Fish Weir / Vicki Penwell
Session 136 Kellogg I	From the Antiquities Act to Eternity: How Conservation Law Shaped 20th-Century American History / Bonnie Halda, chair	The 1906 Antiquities Act in Historical Context / Richard West Sellars	The Role of Law within the Fabric of United States Archaeology / Hilary Soderland	The 1916 National Park Service Act and Cultural Resources / Richard West Sellars	Last Great Wilderness: The Campaign to Establish the Arctic National Wildlife Refuge / Roger Kaye	Drawing a Line in the Tundra: Conservationists and the Mount McKinley Park Road / Frank Norris
Session 137 Kellogg II	Coastal Watershed Condition Assessment Implementation Meeting / Kristen Keteles, chair	SIDE MEETING (by invitation only) NOTE: This meeting will run from 7:30 to 10:00				
Session 138 Kellogg III	Ecological Restoration / Mary Foley, chair	National Park Service CD Workbook for Planning, and Specifications for Ecological Restoration / Wendell Hassell et al.	Ecological Restoration Standards and Guidelines for Protected Areas / Mike Wong et al.	The Science of Large Dam Removal: Creation of the Elwha Research Consortium / Jerry Freilich	Formation of a Cooperative to Conduct Research on Native Plants and Restore Damaged Ecosystems / Steven Link et al.	The Development of a Restoration Rapid Assessment Tool / Ron Hiebert & Linda Drees
Session 139 Governors I	Seeing and Valuing Biodiversity and Nature / Dorothy Anderson, chair	The Lords of the Wings: A Quest to Understand the Human Dimensions of Dragonfly-viewing / Harvey Lemelin	Boston Harbor Islands All Taxa Biodiversity Inventory / Jessica Rykken	Sensing the Park: The Park Experience through Sight and Sound / Patricia A. Taylor et al.	Rethinking Evaluation of Terrestrial Biodiversity Conservation in Protected Areas Systems of Tropical Islands / Suzanne Davis	Q&A
Session 140 Governors II	How Do You Manage Your Resources if They are Being Stolen and Sold at the Swap Meet? / Todd Swain, chair	PANEL DISCUSSION PANELISTS: Tim Alley, Joseph Johns, Alice Newton, Todd Swain				
Session 141 Governors III	Informal (Visitor-Created) Trails: Management and Monitoring Challenges and Solutions / Jeff Marion, chair	Informal Trail Impacts: Impact Description, Decision Process, and Management / Jeff Marion	The Efficacy of Management Alternatives Designed to Discourage Off-trail Hiking / Logan Park & Jeff Marion	Applying a Spatially Balanced Probability-Based Sampling Design to Locate and Quantify Informal Trails in Rocky Mountain NP / Dave Pettebone et al.	Methodological Approaches for Monitoring the Number, Lineal Extent, and Condition of Informal Trails / Jeremy Whimpey & Jeff Marion	Using Indices to Characterize Impacts of Informal Trails: Past Research and Current Development / Yu-Fai Leung
Session 142 Governors IV	NPS Fisheries Scientists Meeting / Samuel Brenkman & James Tilmant, chairs	SIDE MEETING (open to all)				
Session 143 Governors V	A Socratic Workshop to Explore Marine Reserve Performance Measures / Gary Davis, chair	"CAFÉ CONVERSATION" WORKSHOP PRESENTERS: Jim Taggart, Matt Patterson, Caroline Rogers, Robert Brock				
Session 144 State I	Exotic Plant Management Team Meeting / Rita Beard, chair	SIDE MEETING (by invitation only)				
Session 145 State II	Environmental Communications: Interpreting Complex Natural Resource Issues and Topics / Mike Whatley, chair	WORKSHOP PRESENTERS: Marcus Koenen, Christie Anastasia, Dawn Adams, Sara Melena				
Session 146 State III	Wildlife Habituation: Finding the Middle Ground / Margaret Wild, chair	KICK-OFF PRESENTATION Wildlife Habituation: Finding the Middle Ground / Colleen Cassidy St. Clair et al.	PANEL DISCUSSION / Moderator: Dan Decker PANELISTS: Colleen Cassidy St. Clair, Bruce Connery, Peter Dratch, Jim Schaberl, Harry Zinn			

