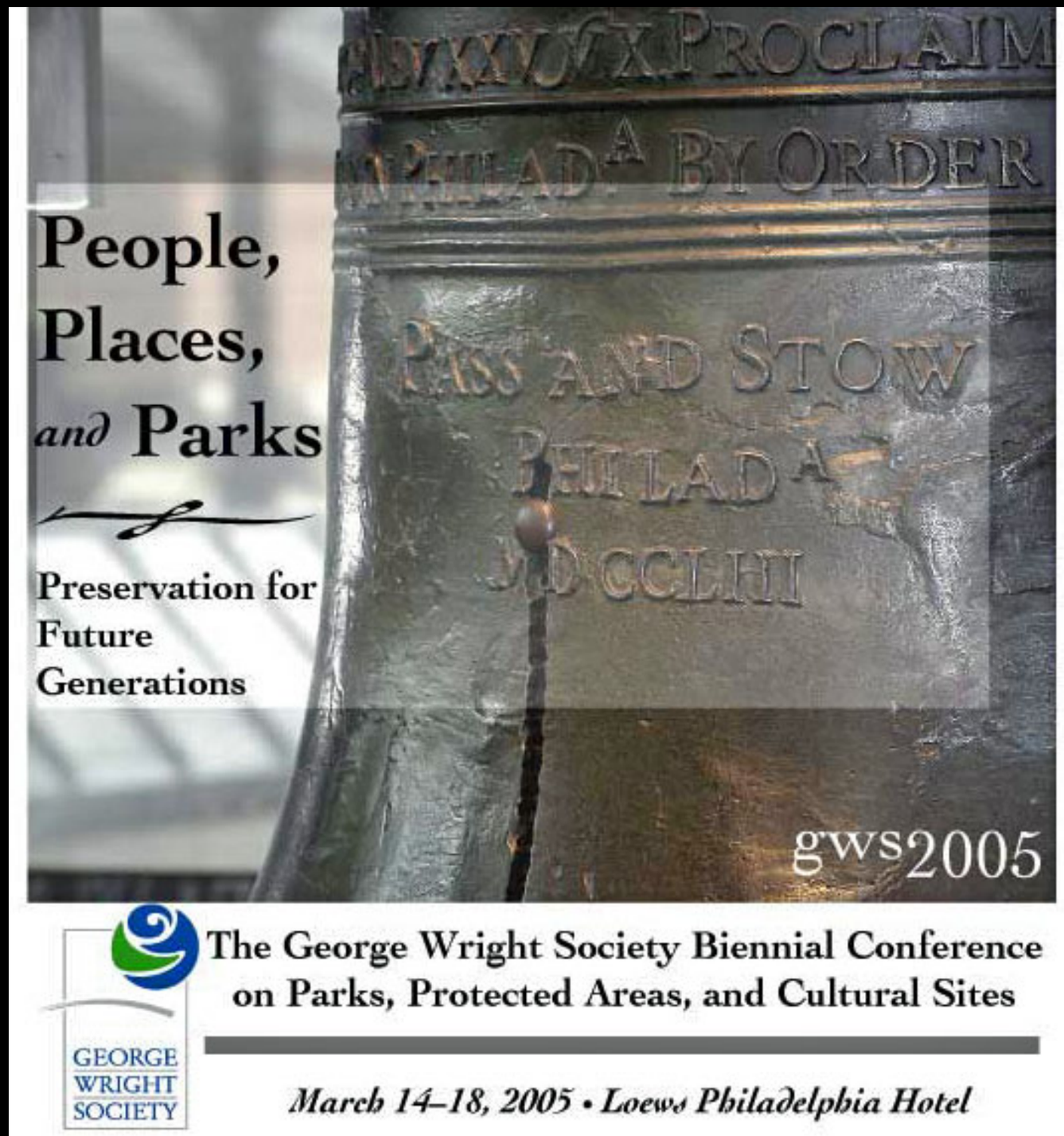
Slides


PROCLAIM
PHILADA BY ORDER
PASS AND STOW
PHILADA
MDCCLHI
People,
Places,
and Parks
Preservation for
Future
Generations
gws2005
The George Wright Society Biennial Conference
on Parks, Protected Areas, and Cultural Sites
GEORGE
WRIGHT
SOCIETY
March 14–18, 2005 • Loews Philadelphia Hotel

The George Wright Society

GEORGE
WRIGHT
SOCIETY

Knowledge for parks.

Professionalism across disciplines

The George Wright Society is a nonprofit association of researchers, managers, administrators, educators, and other professionals who work on behalf of the scientific and heritage values of protected areas. When many people think of parks, they think of them exclusively in terms of being vacation destinations and recreation areas. Yet every park also carries with it scientific or heritage values (or both). Large natural protected areas are sites of important environmental research, natural resource management activities, inventory and monitoring projects, and more. Protected cultural areas, such as historic sites and cultural landscapes, embody important and irreplaceable material (and non-material) facets of history, archeology, traditional use, and many other forms of cultural heritage. These are the functions the GWS supports by encouraging better research, resource management, and public education in protected areas.

Who was George Wright?

Wright in 1938, preparing for an aerial survey of the Mexico-USA boundary region near Big Bend National Park.

The first scientist to work for the U.S. National Park Service, George Melendez Wright (1904–1936) was also one of the first park professionals to argue for an interdisciplinary approach to solving research and management problems. As one historian has written, his "vision of national park management was truly revolutionary." He helped to launch resource professionalism in the nascent Park Service. An incisive thinker and writer, had Wright lived he likely would have gone on to become one of the country's best-known conservationists.

Our service to parks

The GWS serves the parks community by:

- Publishing a quarterly journal, *The George Wright Forum*, where we explore issues of enduring interest.
- Holding the GWS Biennial Conference on Research and Resource management in Parks, Protected Areas, and Cultural Sites – the largest meeting of its kind.
- Handling logistics for other professional meetings on parks through our Conference Organizing Service.
- Promoting public policy that supports the scientific and heritage values of parks.
- Producing a variety of publications on park research and management issues.

- Recognizing excellence through a series of awards presented at the GWS conferences.
- Supporting international protected area and heritage preservation programs through our membership in IUCN and ICOMOS.
- Serving as a clearinghouse for inquiries from professionals and general public.

Focus on core values — Join the GWS community!

The main benefit of GWS membership is being part of a community of professionals who are committed to the core responsibility of caring for cultural and natural resources. The GWS is the one organization whose sole focus is on the scientific and heritage values of parks and other kinds of protected areas, from the largest wilderness area to the smallest historic site. We exist to support you and your work, and we rely on your support in return to continue to expand and strengthen the community of park professionals. Please join us! Take a brochure below or join on-line.

www.georgewright.org

GWS Silent Auction Gala and Jam

Thursday 8:00 – 9:30 PM

Following Awards Banquet

Come to party, bring an instrument

Bid early and bid often and support the 2007 Student Scholarship fund!

We foot it all the night,
Weaving olden dances,
Mingling hands and mingling glances
Till the moon has taken flight;
To and fro we leap
And chase the frothy bubbles,
While the world is full of troubles
And is anxious in its sleep.
-WB Yeats, The Stolen Child

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EXIT
EXIT
XEROX

FedEx

REGISTRATION

"Main Street" in Keweenaw National Historical Park

Economic Revitalization thru Historic Preservation

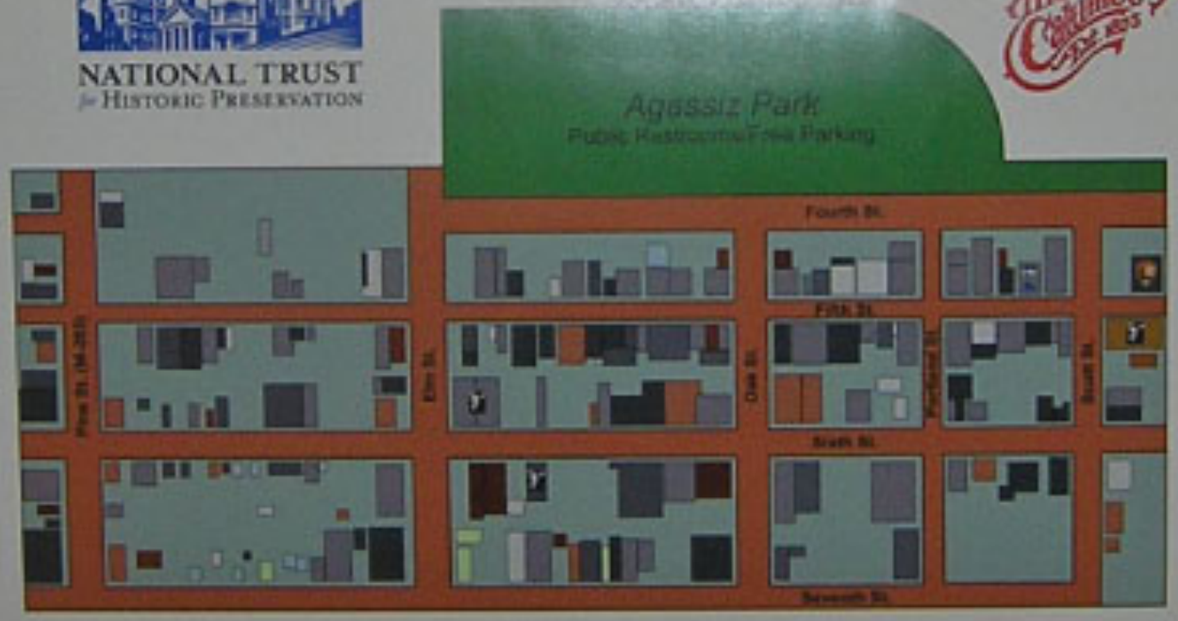
Michigan's Gov. Jennifer Granholm listens intently as Superintendent Frank Pala extolls the virtues of Main Street Calumet's historic downtown district. The Keweenaw Heritage Center at St. Anne's provides a beautifully appropriate backdrop for this preservation conversation. NPS Photo.

Leveraging Partnerships for Preservation Goals

The inspiration to leverage maximum preservation effectiveness through partnership with national, state, and local programs came from attendance at the National Trust's annual Main Streets Conference several years ago.

Common to the establishment of many national parks, the local community often looks to the National Park Service for economic salvation in the form of funding investments in the local area, in addition to an increased base for their tourism industry.

Calumet's Historic Mobil Filling Station receives rehabilitation treatment thanks to a Challenge Cost Share grant between the National Park Service and the Calumet DDA, with the Main Street program's assistance. NPS Photo.



Close collaboration between Keweenaw NHP, the National Trust for Historic Preservation, the Michigan Economic Development Corporation, the state SHPO, and Main Street Calumet has resulted in the creation of funding opportunities that have been leveraged through the combined use of various funding sources. Public and private funding have teamed up to develop economic resources never thought possible.

The park's limited resources are no longer considered the sole source of community investment capital. Main Street Calumet, with close assistance from Keweenaw NHP, has become the driving force to further the community's economic development goals while simultaneously fulfilling the park's preservation goals.

Northwoods Memorials and Calumet Pizza Works are had two of the numerous façade improvements within Calumet's Main Street district. New ground has recently been broken with Michigan's Housing Development Authority, which will provide grant funds for façade improvements in the district. NPS Photo.

Collaborative consultation with the SHPO and the park's historical and landscape architects have proven to be a cornerstone of the Main Street Calumet program. The community is half way through its initial three-year program during which the state provides consultation services and funding opportunities. Thereafter, the park's groundlaying work of building strong, fruitful partnerships will prove to be invaluable in the continued success of Main Street Calumet.

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People, Places, and Parks

Natalie Grime
Graduate Student
Anthropology Department
American University
Judy Spade
Graduate Student
West Virginia University

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REGISTRATION
NAUTICA SPORT

Abby Miller
Board Member
George Wright Society

60º Photography for Research
Resource Mgmt. & Public Educ.
Posters For Sale - $50.00

Danielle

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WRIGHT

Natural Resource Management Award
2005
Linda Drees
Board
Member

Heal
Recycling
made easy
and
profitable

#33250

National Park Service
Northeast Region
NPS Founded
1916
Preserving America's Heritage in the Northeast
:s: The National Park Service partners to preserve National Heritage Areas,
: Landmarks, National Natural Landmarks, the Underground Railroad,
teside Land & Water, Monuments, Greenways, Trails, Blueways, and More.

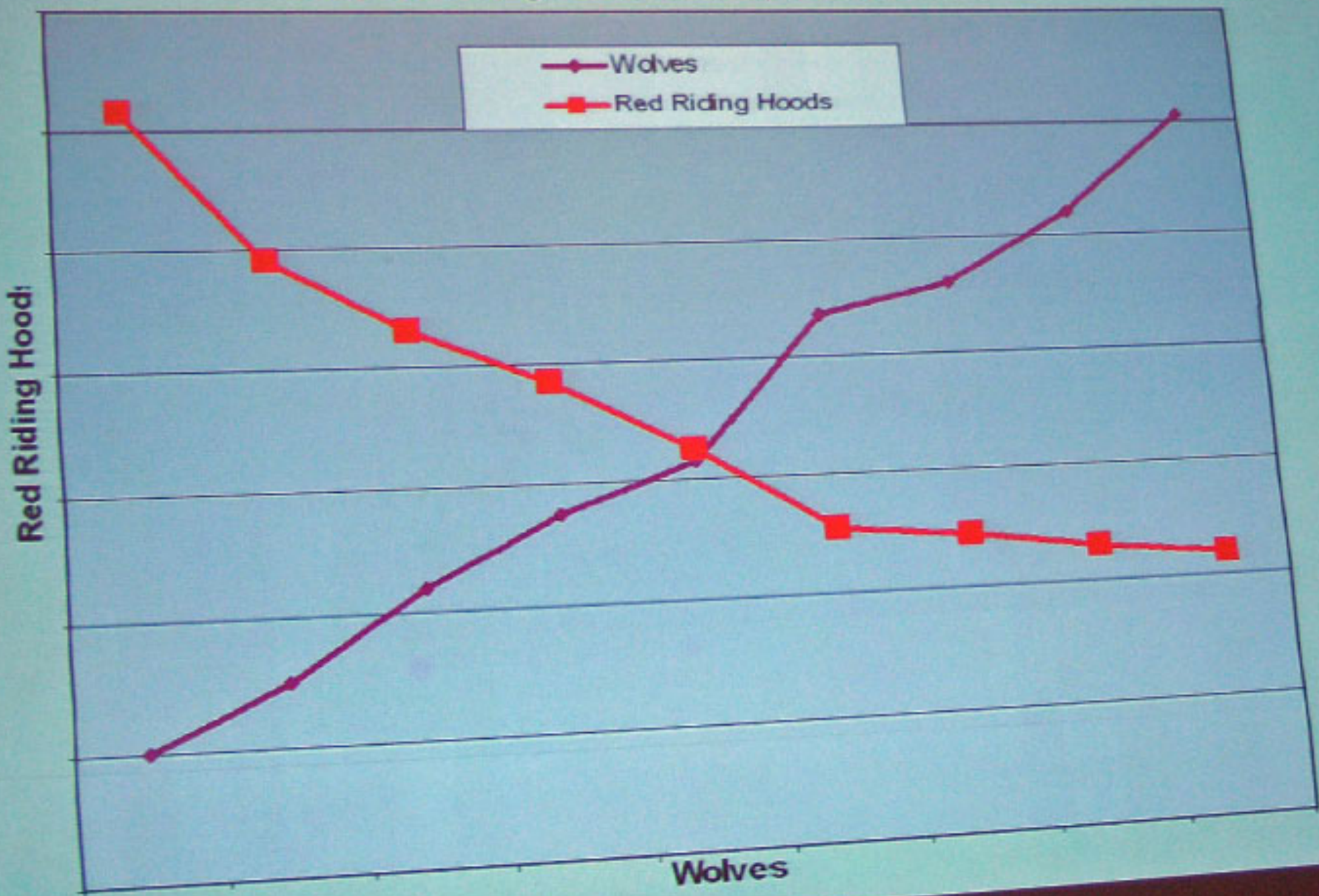
Research Learning Centers

Helping to Achieve Scientific and Educational Potential

National Park Service
U.S. Department of Interior

- Multiple centers for research and learning within a national network
- Superior science to support America's national park managers
- Collaborative partnerships among parks, universities and local communities
- Reducing the backlog of research needs for our nation's parks
- Promoting cutting-edge science and education for the researcher and student

Public Understanding of Complex Resource Issues



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USGS
science for a changing world
Public Health

Example: Conversion
ngrove
Ecosystems to Sh
culture
•Ecosystem services:
ion, storm buffer,
waste absorption,
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seafood species
•Shrimp: h n p
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•Greedy self int
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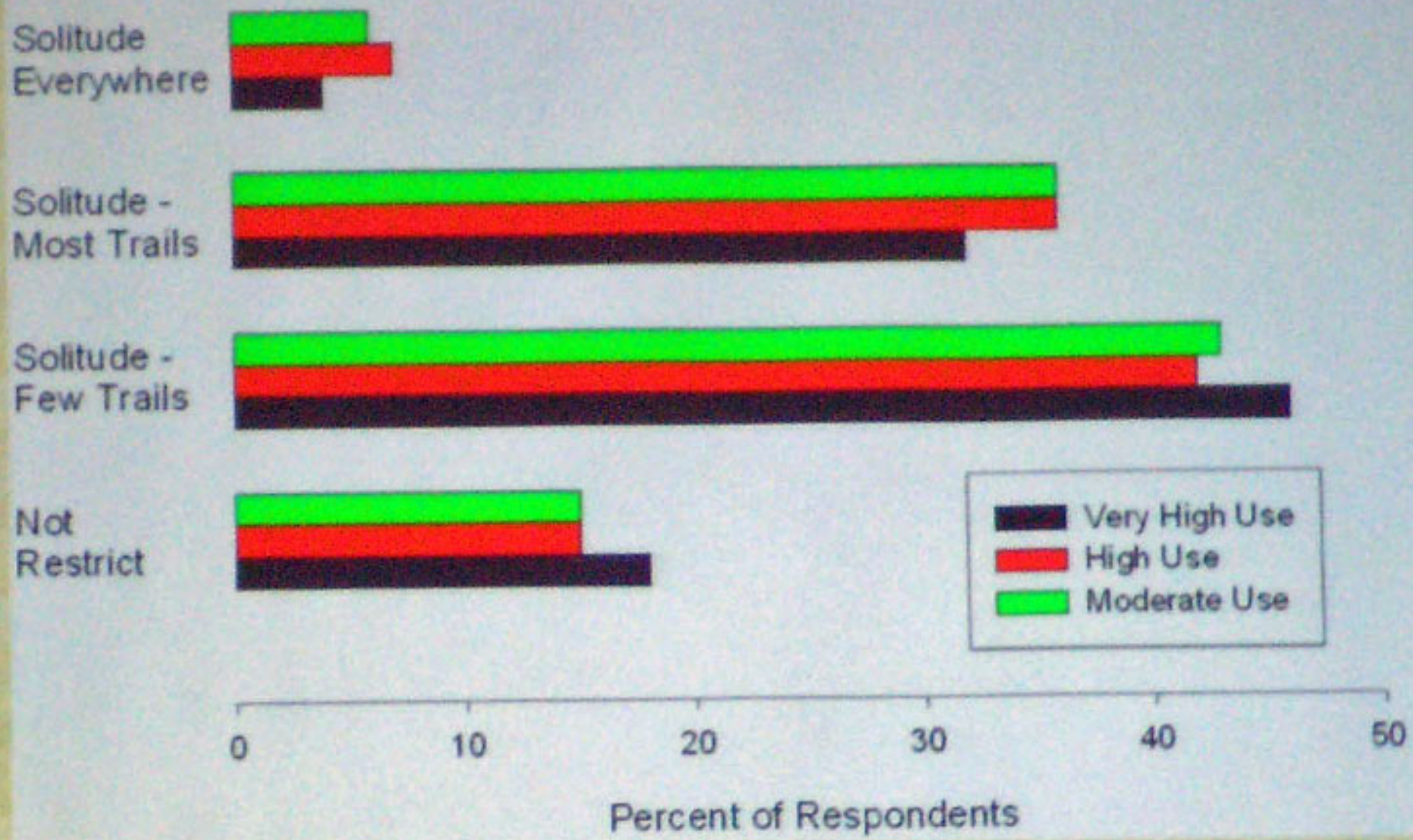
CAPE COD
CAPE COD
tato Chips

Support for Within-Wilderness Zoning: Variation Among Use Levels



Chi-square = 7.6, p = 0.27

DELL

THE
GEORGE WRIGHT SOCIETY
GEORGE
WRIGHT
SOCIETY
WELCOMES YOU!

EXIT
SSAGES
3rd
Floor

FLOOR 3M
Fund Raiser
Student Scholarship
#33250
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egistrants

The POWER Quad
John Cook
Executive Board Member
Eastern National

LOEWS
PHILADELPHIA

ELCOMES YOU!

THE
GEORGE WRIGHT SOCIETY
WELCOMES YOU!

Luis Summers
Professor
University of Colorado

NO EXIT

Ken Mabery
Pacific West
Natural Resources

of The Book and the Cook
7:00 AM - 11:00 PM
Book Distribution
Loading Dock

The
OWER
Quad

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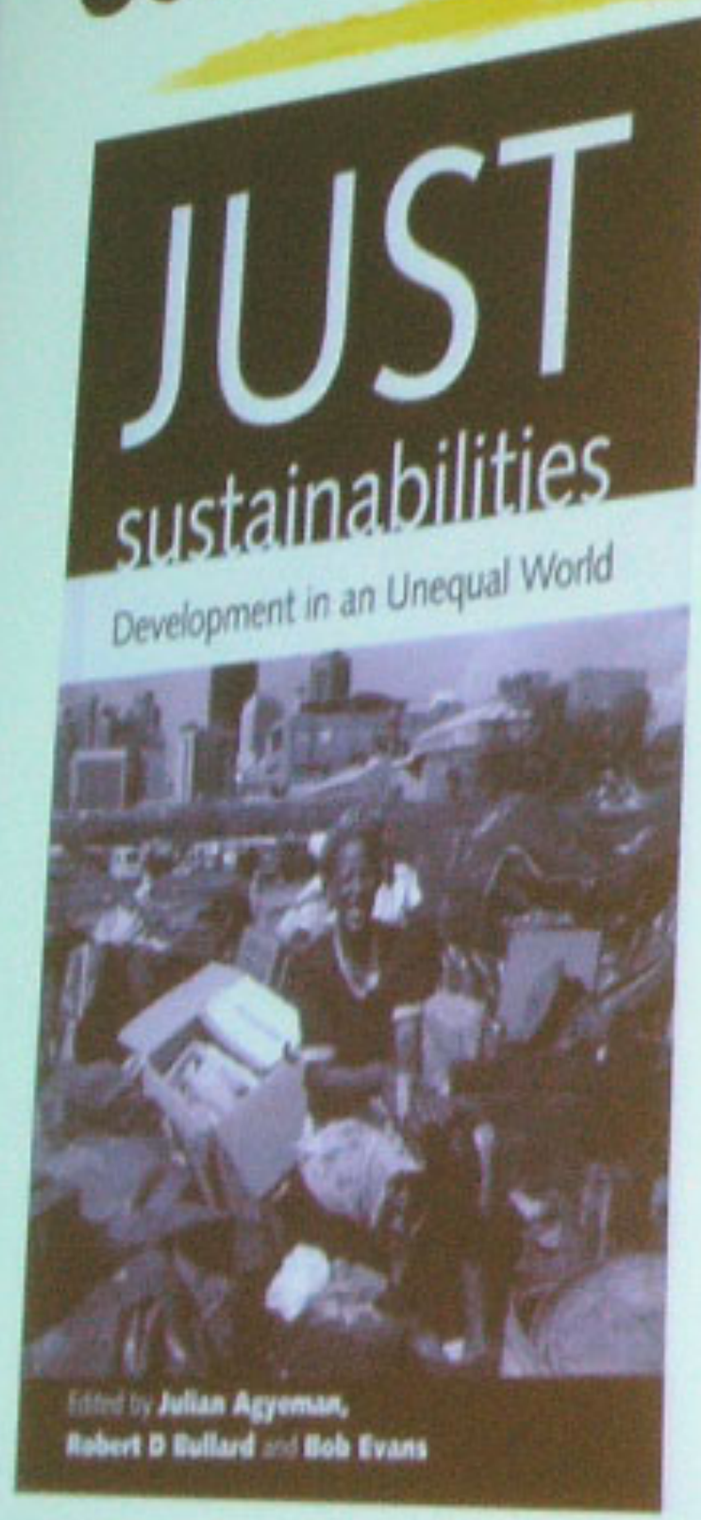
SOCIETY

George Meléndez Wright
Award for Excellence
2005
John Hope Franklin

GEORGE

Converging EJ Issues



- Public Health
- Worker Rights & Safety
- Humans Right & Global Justice
- Precautionary Principle
- Pollution Prevention
- Toxics & Waste
- Pollution Prevention
- Brownfields Redevelopment
- Sustainable Development
- Livable Communities
- Smart Growth
- Transportation Equity
- Energy
- Climate Justice
- Just Transition
- Clean Production

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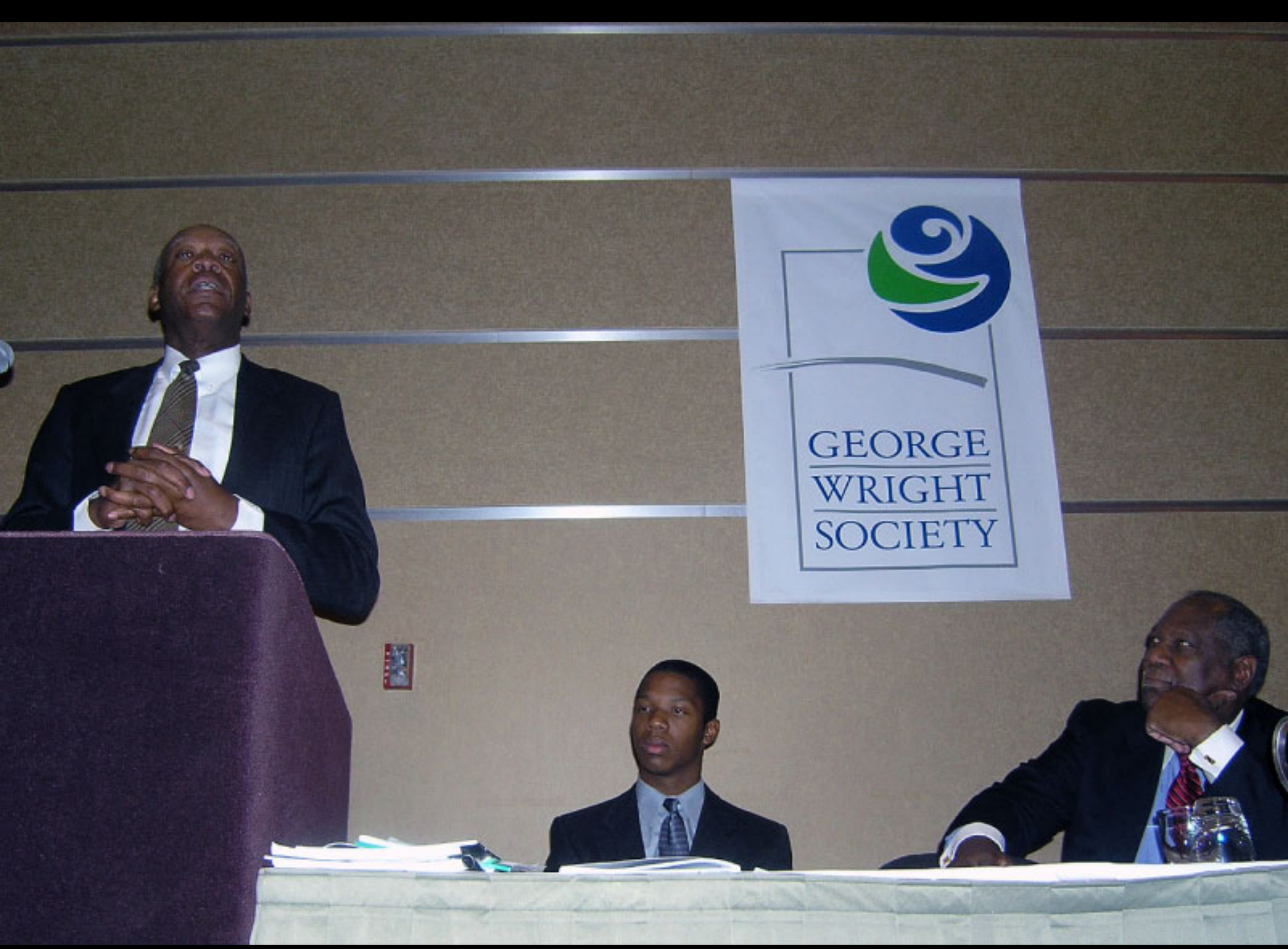
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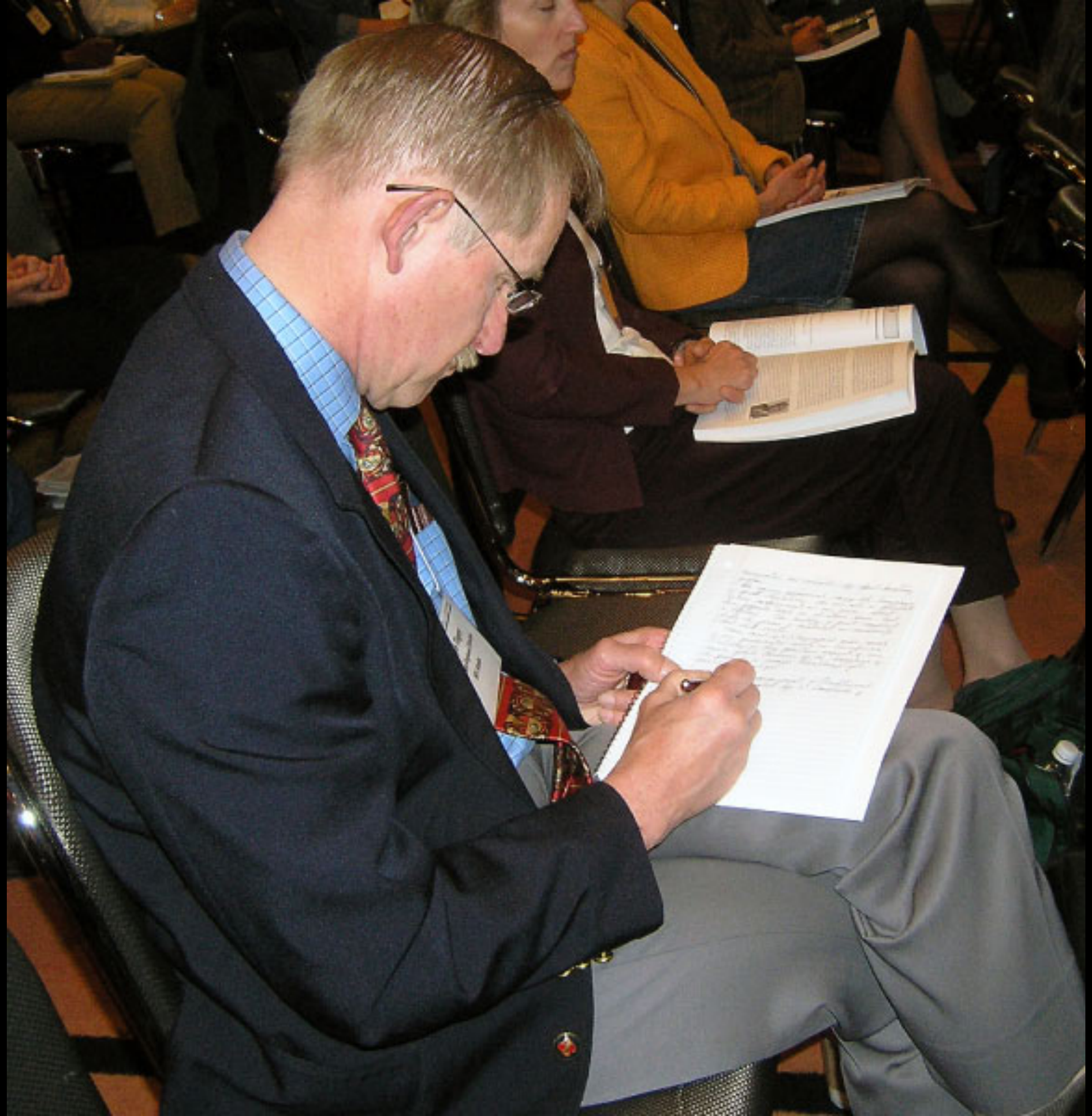

Marcus Robles
People, Places, Parks
Program

Canon

American Association for the Advancement of Science

The Canon National Parks Science Scholars Program

About the Program

The program is a collaboration among Canon U.S.A., Inc., the American Association for the Advancement of Science (AAAS), and the US National Park Service. Thanks to a generous commitment by Canon U.S.A., Inc., the program annually awards eight US $20,000 scholarships to Ph.D. students throughout the Americas to conduct research critical to conserving the national parks of the region. The Americas include the United States, Canada, Mexico, the countries of Central and South America, and the countries of the Caribbean.

How the Program Works

- Doctoral students submit concrete proposals in four categories: biological sciences, physical sciences, social/cultural sciences, and technology/conservation in support of conservation science.
- Proposals are evaluated by interdisciplinary scientific panels convened by the AAAS.
- The AAAS panels select the winning students.
- The AAAS awardees receive scholarship funds to each student's institution.
- The Canon Scholars conclude their graduate research, write and submit a dissertation to their institutions, and prepare a general article for the public on the significance of their research to the management and conservation of national parks.

Examples of Student Research Topics

- The role of fire in forest succession in Sequoia National Park, California
- Modeling invasion of alien plants and pollinators in Kobuk Lake National Park, Alaska
- The effects of air pollution in Rocky Mountain National Park, Colorado
- Potential impacts of global climate change in Denali National Park, Alaska
- Effects of different management strategies on impacts with populations in and around Banff National Park, Canada
- Prehistoric agricultural activities and settlement patterns in Saguaro National Monument, Arizona

Creating the next generation of environmental scientists

www.nature.nps.gov/canonscholarships/

Booz | Allen
Partner for Managing
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World Class
Environmental Cons

USGS
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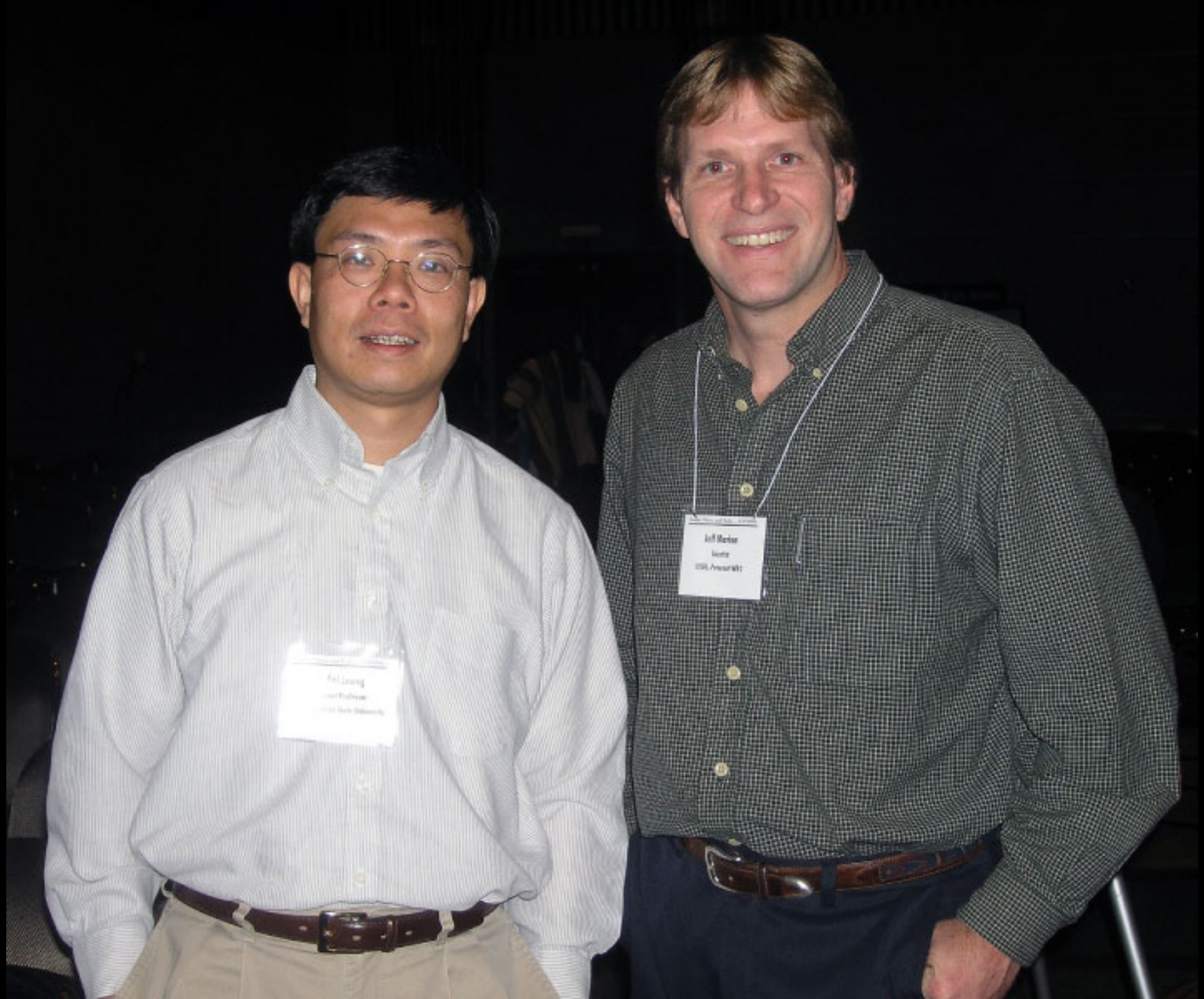
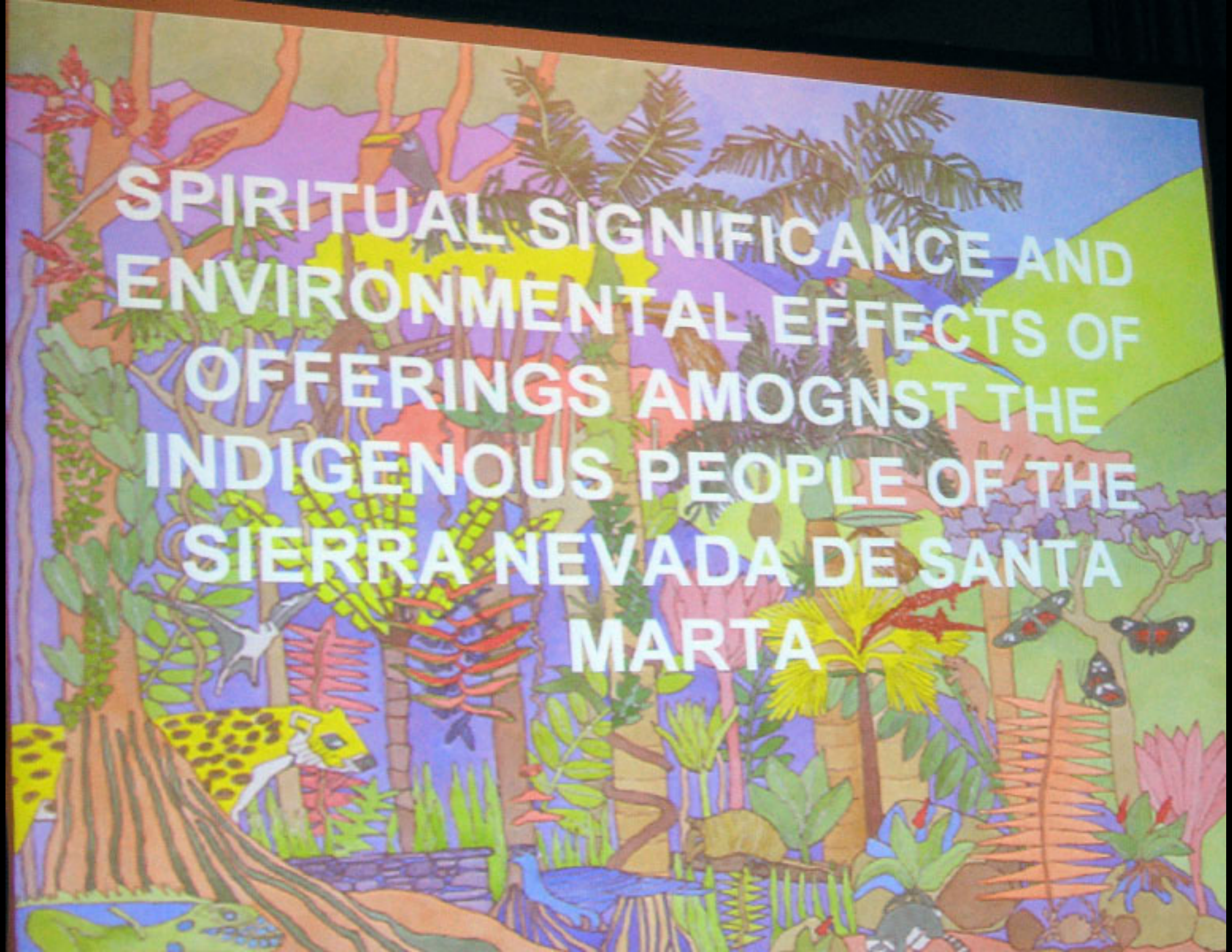


BALLRO
Thomas Gates



SPIRITUAL SIGNIFICANCE AND ENVIRONMENTAL EFFECTS OF OFFERINGS AMOGNST THE INDIGENOUS PEOPLE OF THE SIERRA NEVADA DE SANTA MARTA

Patrick Gregerso

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SOCIETY
Steve Veirs
Retired
NPS, NBS, USGS

Hilton
George Wright Society
Salon E
(through the restaurant)

EXIT

GEORGE
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SOCIETY
George Melendez Wright
Student Travel
Scholarship Sponsor
Joseph O'Leary
Texas A&M University
2005

Susan Shumaker

HOWE
ROOM

N.E. Region
Natural Resource
Manager's 2005 Meeting
4PM - 6PM

Howe Room
(33rd Floor)

Gordon Olson
Natural Resource Management

FIJI

Wilderness
GOLD

Hamilton

Director's Award
Edward J. Waffs
Director's Award
John D. Varley
Director's Award
Dr. Daniel B. Fagre

Director's Award
Presented to
Dr. Daniel B. Fagre
For
Natural Resource Research
2004

Director's Award
Presented to
Tommie Lee
For
Superintendent of the Year
For Natural Resource Stewardship
2004

COASTAL EFFECTS
Boston Harbor Islands
National Park Area
Zion
Park
DISE CREEK

In appreciation of

Cathleen L. May

Who has been instrumental in bringing the National Park Service and the geologic community together, fostering an integrated science approach for resource management in parks, and helping to establish the Geoscientists-in-the-Parks Program.

NATIONAL PARK SERVICE

Geologic Resources Division

Judy Malerson

Mike Saukup

Mike Soukup

EXIT

Ford & Taylor

Lord & Taylor
The Signature of American Style

EXIT
Ford & Taylor

In appreciation of
Cathleen L. May
Geologic Resources Division

AMER
LUNG
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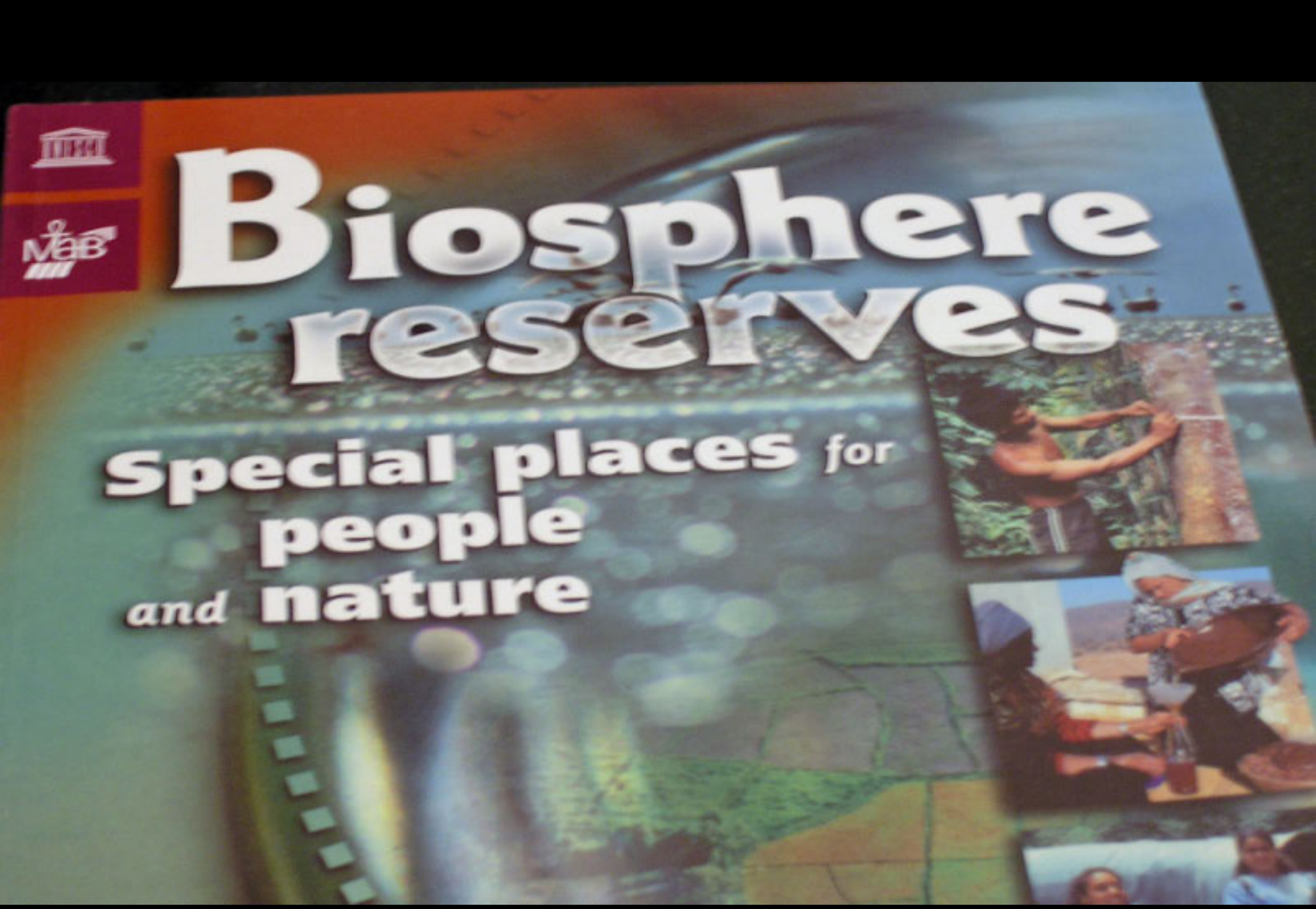
of Perms

Biosphere reserves

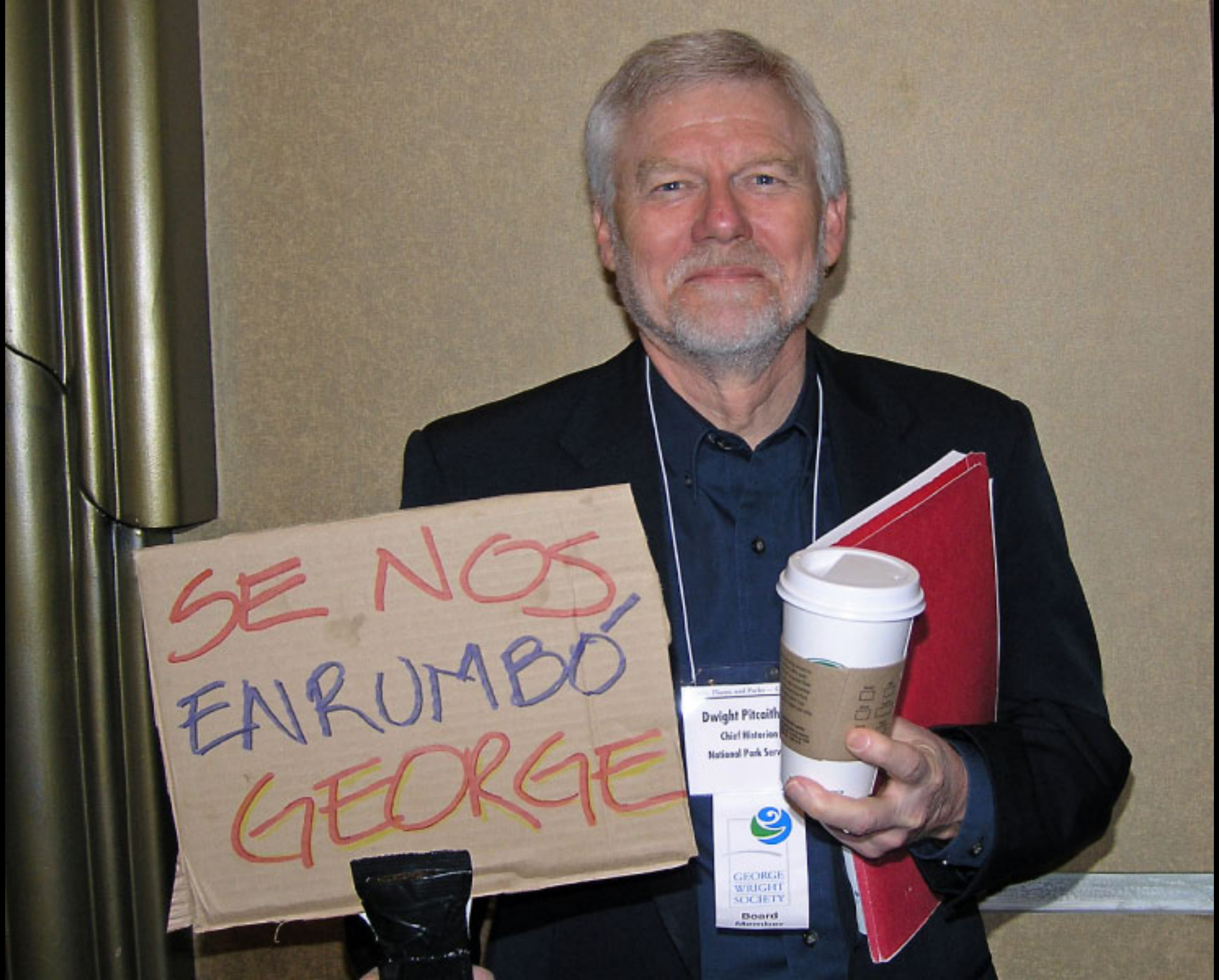
Special places for people and nature



Lloyd Chapman
Archaeologist

JIGS with George!

MAS BÁH, TCHÊ!
O LEILÃO DO GEORGE
É BOM DEMAIS DA
CONTA, MEU!!!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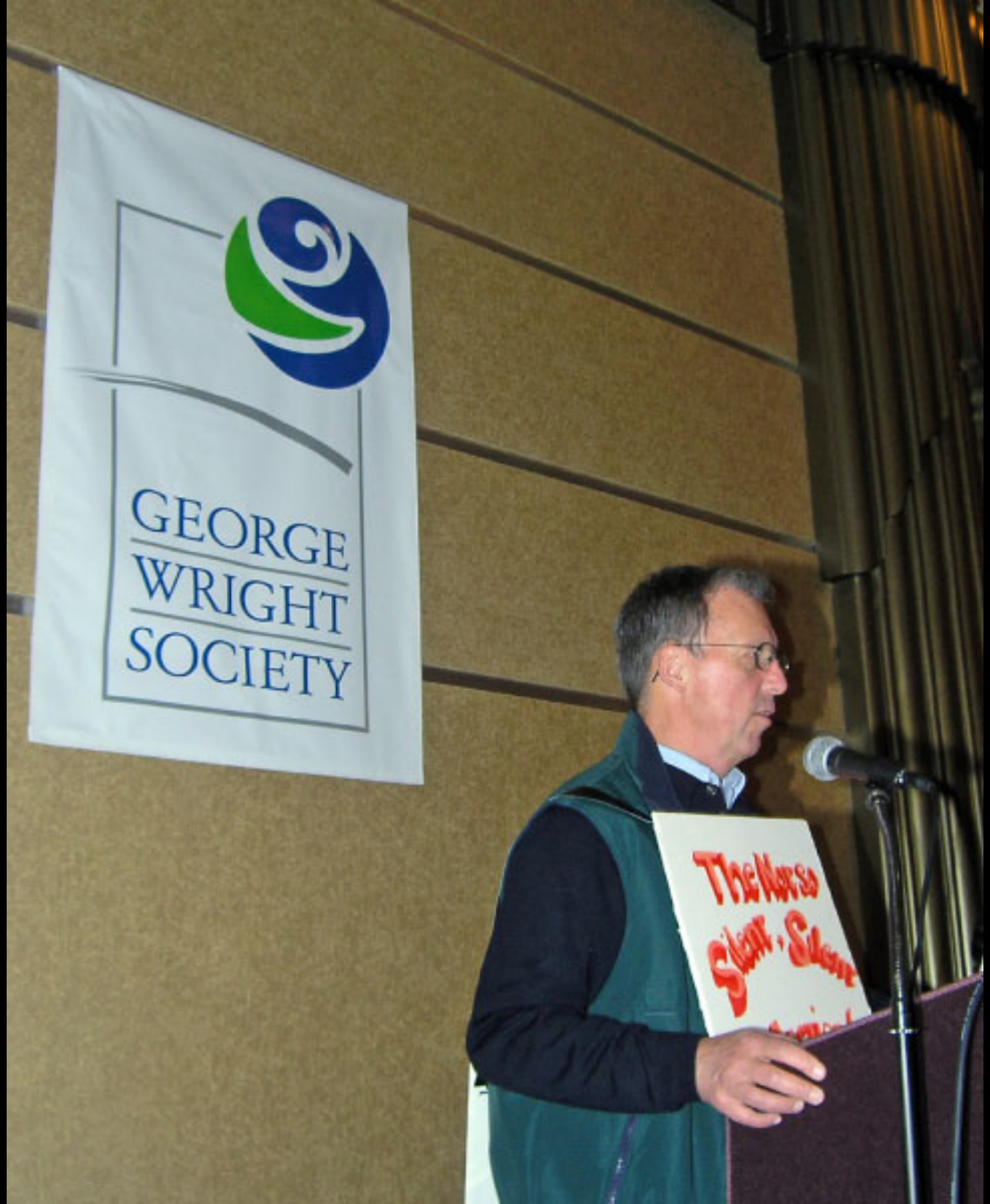
Board

EXIT
Silent
Auction
Lowell Merritt, Jr.
Park Ranger
National Capital Parks - East
Frank Galloway
Director, Camping Division
Washington State Parks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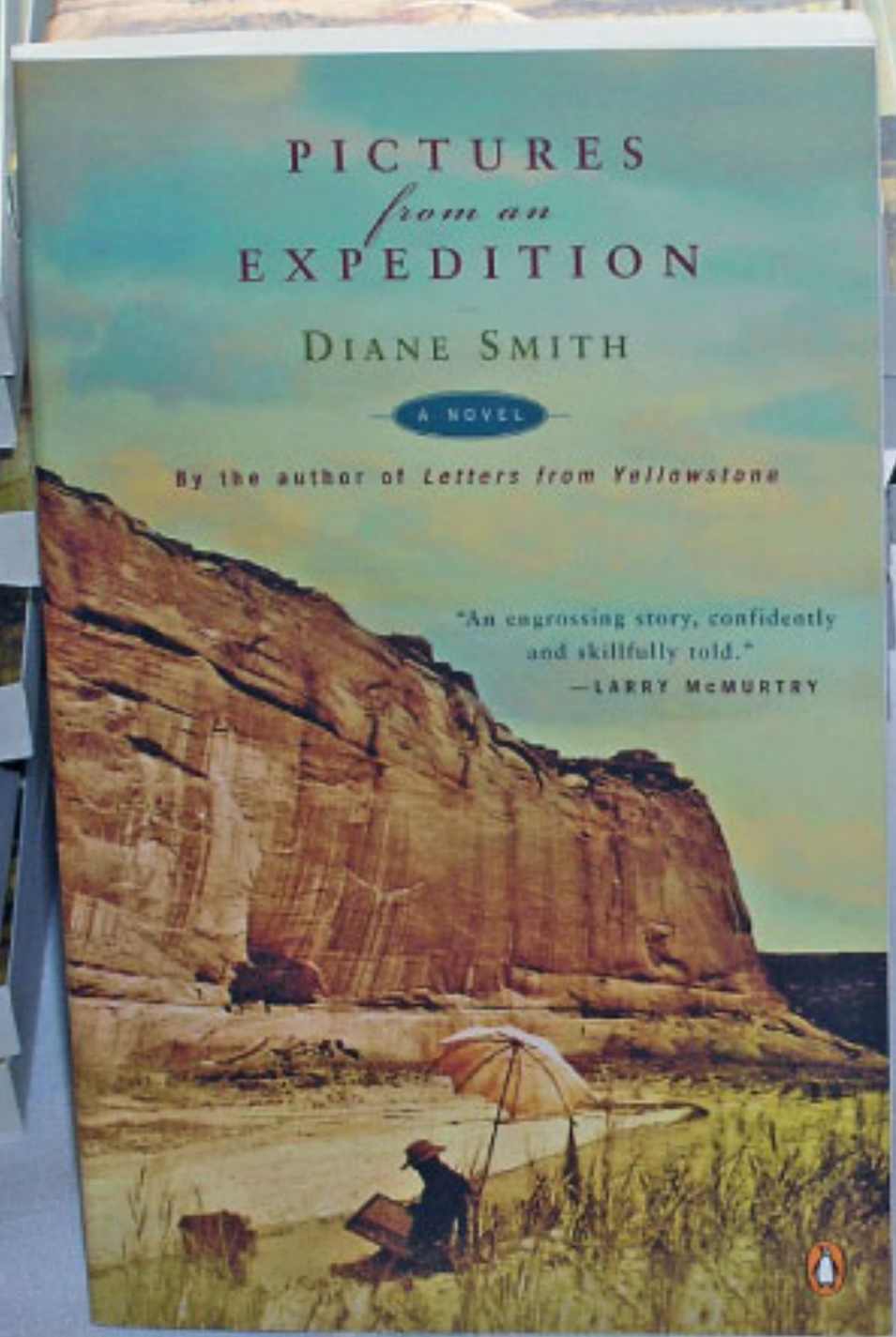
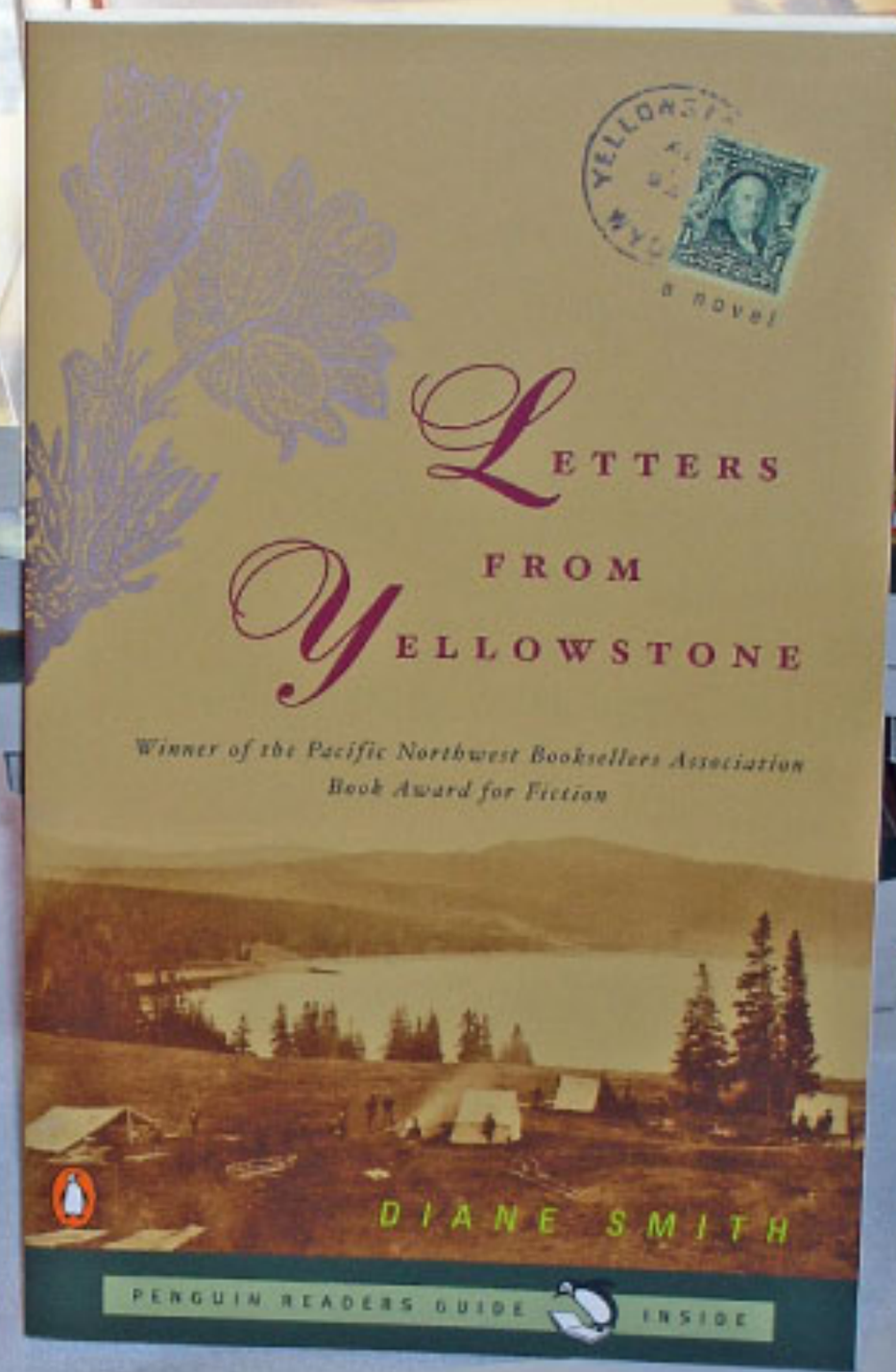
David Andrews

Jerry Emery
Board Member
Georgia Weight Society

Yellowstone National Park in Fact and Fiction

Letters
from
Yellowstone





Plenary Speaker

Health
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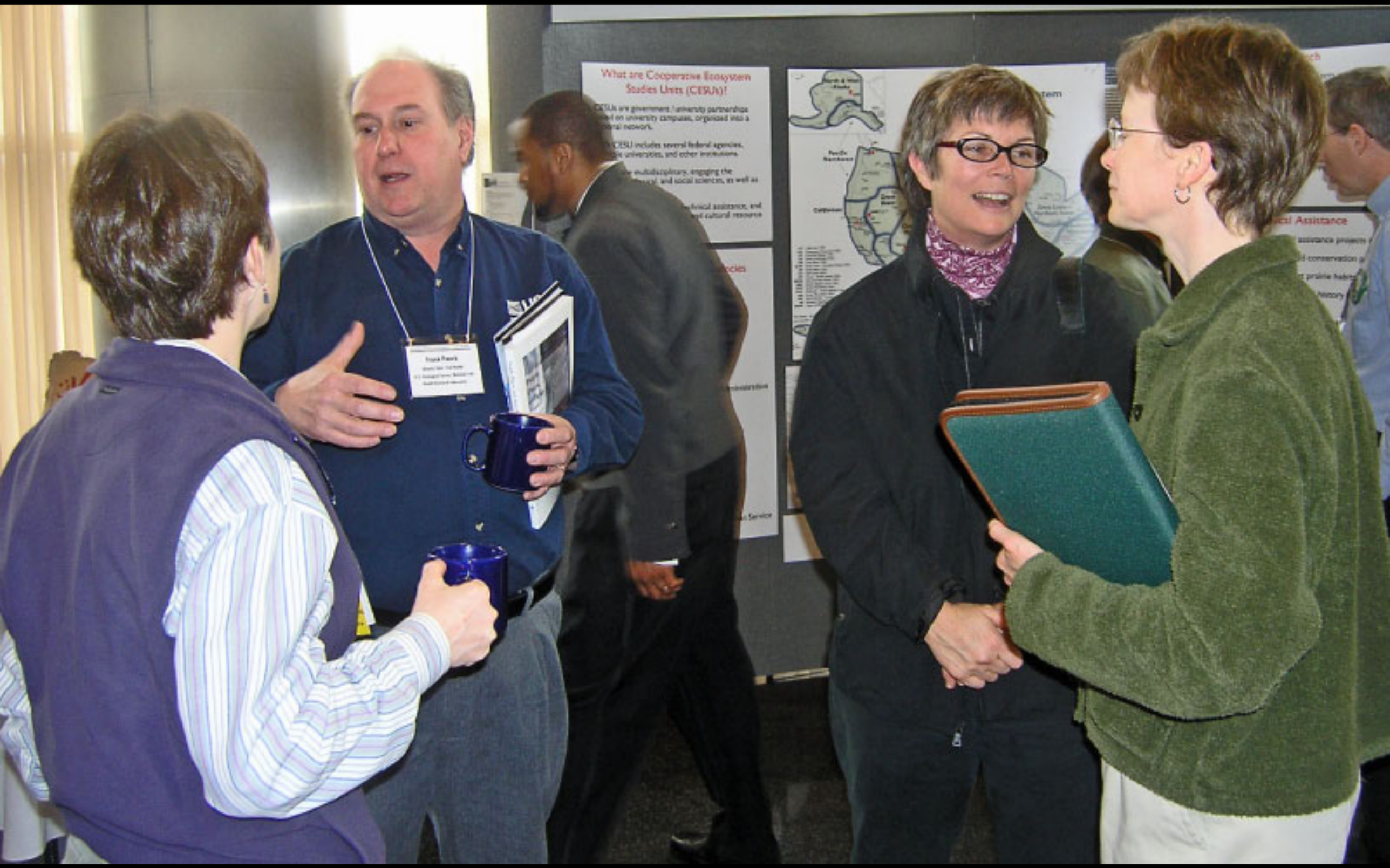
USGS
SCIENCE


What are Cooperative Ecosystem
Studies Units (CESUs)!

Answer
Management in the National Parks

Tools to Get Resu
NATIONAL PARK SERVICE
Community Tool Box

TIONAL PARK SERVICE
PM

PARKS SCIENCE SCHOLAR
PROGR
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program is a collaboration among
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Progr
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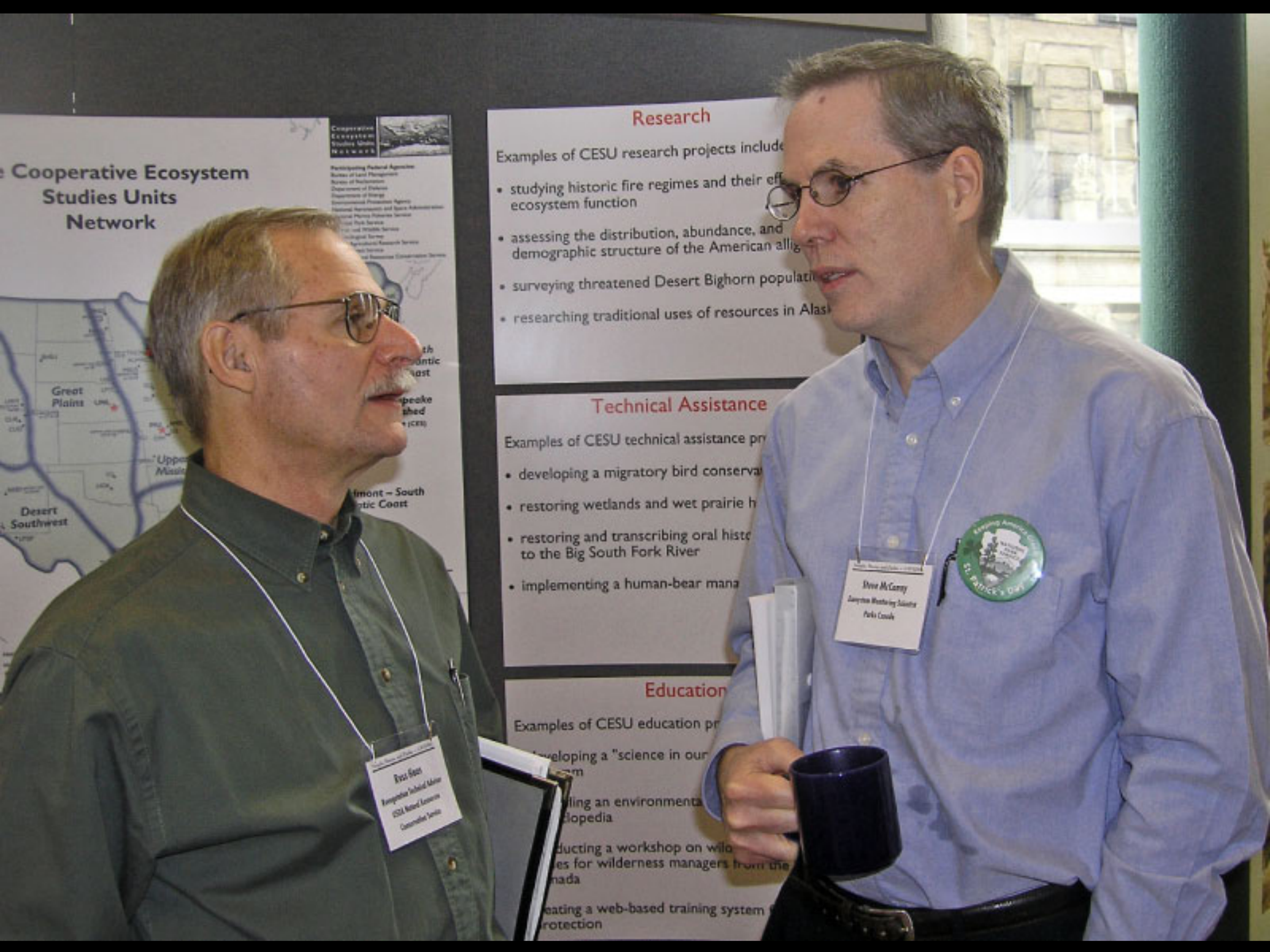
St
David Manski
Chief of Resource Management
Acadia National Park


Cooperative Ecosystem
Studies Units
Network
Great
Plains
Desert
Southwest
Research
Examples of CESU research projects include
• studying historic fire regimes and their eff
ecosystem function
• assessing the distribution, abundance, and
demographic structure of the American allig
• surveying threatened Desert Bighorn populati
• researching traditional uses of resources in Alas
Technical Assistance
Examples of CESU technical assistance pr
• developing a migratory bird conserva
• restoring wetlands and wet prairie h
• restoring and transcribing oral histo
to the Big South Fork River
• implementing a human-bear mana
Education
Examples of CESU education pr
eloping a "science in our
ling an environmenta
lopedia
ducting a workshop on wilo
es for wilderness managers from the
nada
eating a web-based training system
rotection

NATIONAL PARK FOUNDATION
Chuck Rafkind
Natural Resources Man
NPS - Colonial NH

Peter Dratch
Endangered Species Program
Manager
National Park Service

Mark Duffy

Judy Alderson
Regional Wilderness Coordinator
NPS - Alaska Regional Office
Doris Davis

http://www.dnr.cornell.edu/research/deerinparks

DINP Home - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Links

Address http://www.dnr.cornell.edu/research/deerinparks/index.asp Go

Human Dimensions of Deer Issues in National Parks

CORNELL

Home Projects Resources Reports About Us Contact Us

You Are Here > > > DINP Home

Search: Go!

Collaborators:

Human Dimensions Research Unit at Cornell

NATIONAL PARK SERVICE

Welcome!

You have reached the home page for a collaborative research project to study issues related to deer and deer management in national parks. While the site is primarily intended for park managers and project collaborators, we hope it provides useful information for anyone interested in deer, science-based park management, and human-wildlife interactions. We hope you enjoy the site!

News

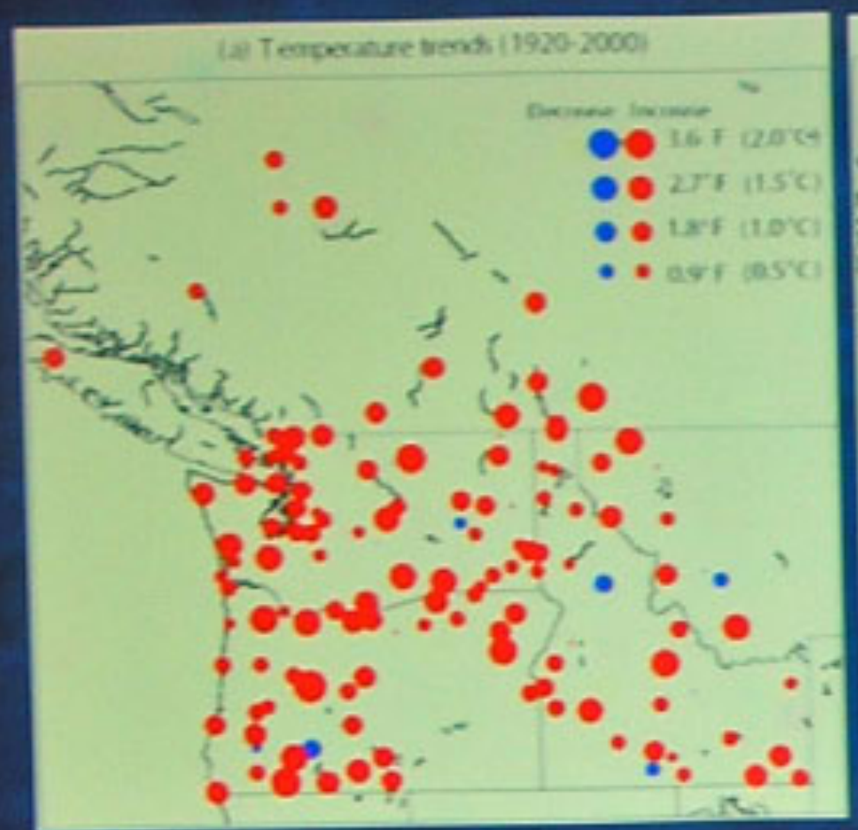
November 2004
Phase I research completed.

April 2004
Questionnaire results **available on-line.**

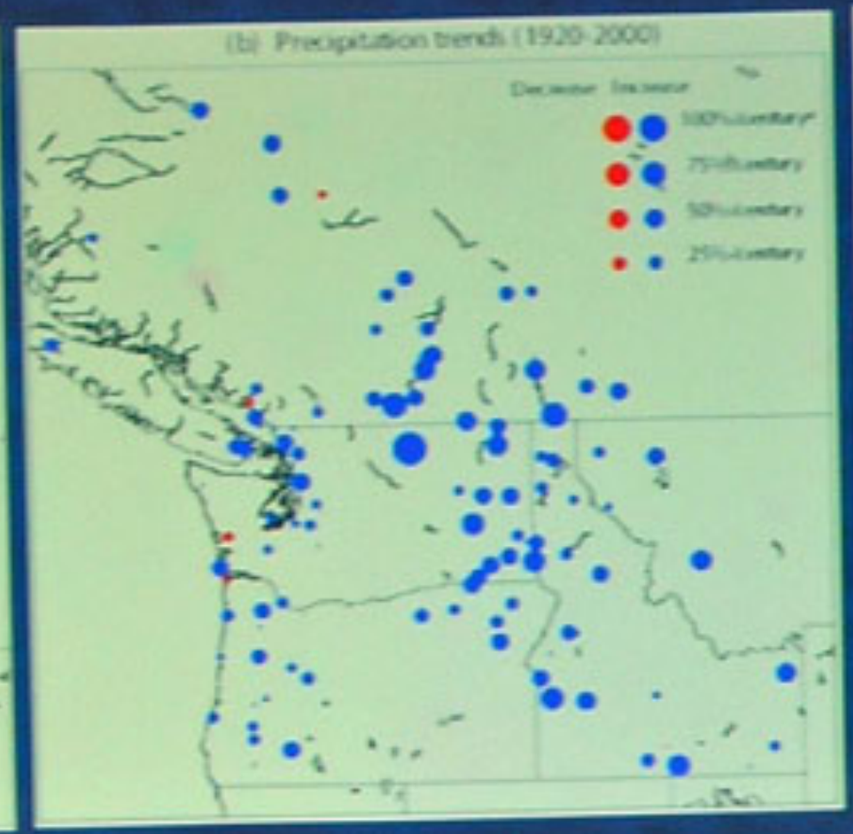
February 2004
Questionnaire: Assessing Deer Impact in NPS Units in the Northeastern U.S. **available on-line.**

December 2003
Human Dimensions of Deer Issues in

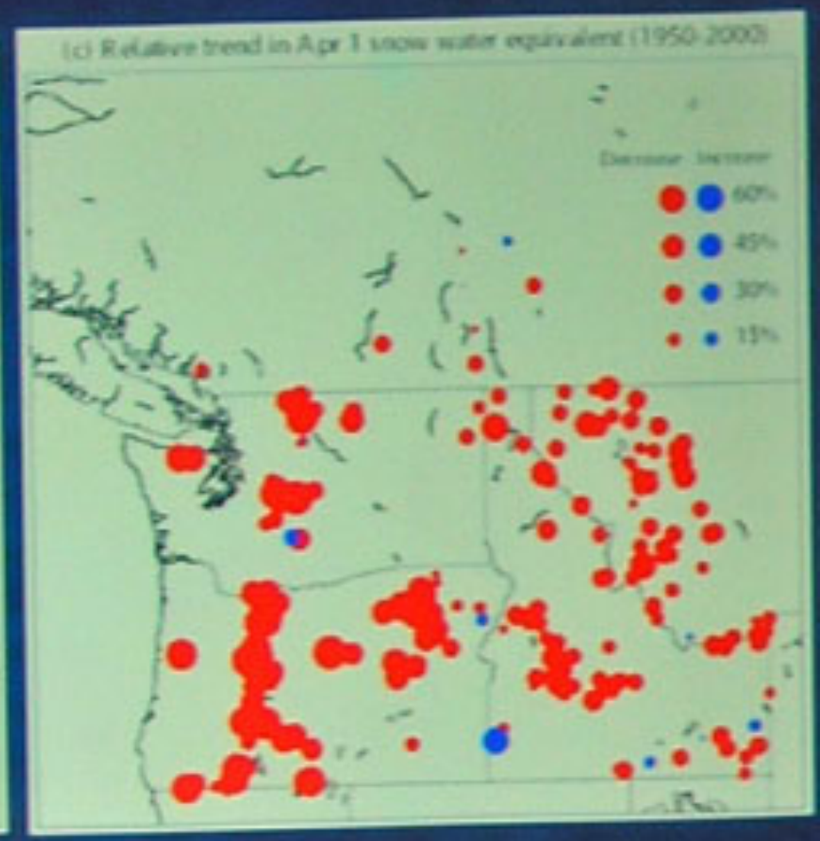
20th Century Northwest Climate Trends



Increasing Temperature



Increasing Precipitation



Decreasing Spring Snow Water Equivalent

Figures courtesy of JISAO CSES Climate Impacts Group

National Park Service Museums: Innovative Legacy, Innovative Future

Dwight Pitcaithley
Chief Historian, NPS

Museums and the Interpretive Message

No Easy Answer

Fire and Resource Management in the National Parks

Changing Perspectives

1885

"The most important duty of the Superintendent... is to protect the forest from fire and ax."
House Committee on Yellowstone National Park

1933

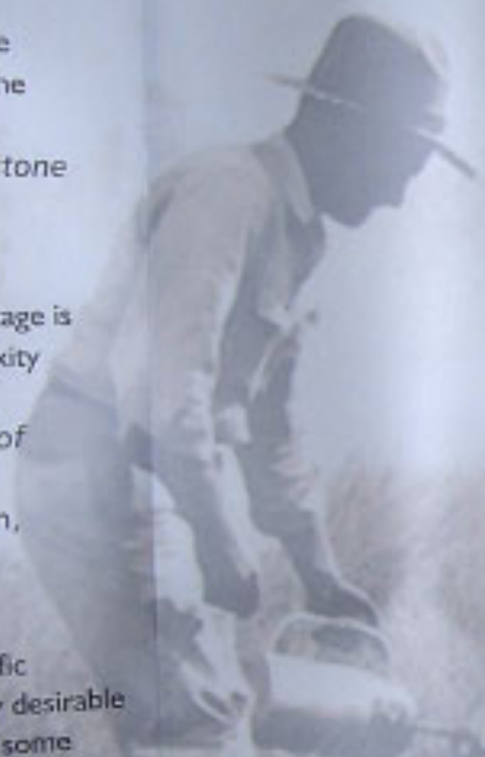
"...[O]ur greatest national heritage is nature itself, with all its complexity and its abundance of life..."
Fauna of the National Parks of the United States,
George Wright, Joseph Dixon, and Ben Thompson

1963

"Management based on scientific research is, therefore, not only desirable but often essential to maintain some biotic communities..."
Leopold Report

Current Views

The evolution in understanding fire's role in the ecosystem is a long process. Today's managers recognize that suppression of wildfires has changed plant communities and altered cultural landscapes. In many cases aggressive mechanical fuels treatments are needed to allow fire to play its natural role in the ecosystem.



...ades National Park, Florida, 1950s

Confederate Group - Mariposa Grove, Yosemite National Park

1890 *1970* *2000*

Pile burning and chipping

Prescribed fire

Grinding and mowing

Because of the diversity of conditions across ecosystems, today's managers use many tools including specific fuels treatments and Wildland Fire Use in managing park resources.

Wildland Fire Use

Grazing

Thinning

before

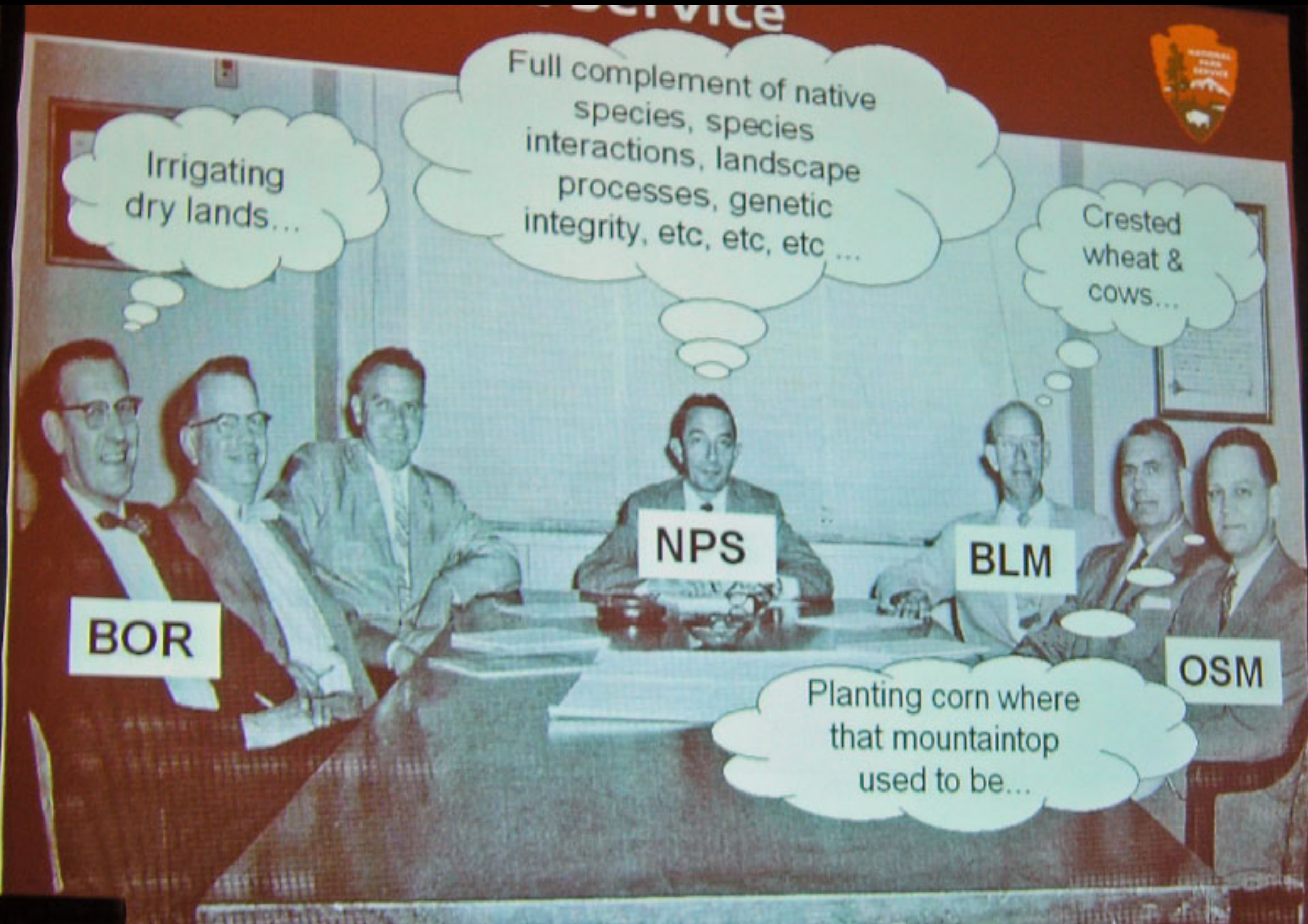
after

Herbicides

Jeff Marion

National
Park
LOEWS
PHILADELPHIA HOTEL
PENNSYLVANIA

GIANT
COLORING & ACTIVITY BOOK


Irrigating dry lands...
Full complement of native species, species interactions, landscape processes, genetic integrity, etc, etc, etc ...
Crested wheat & cows...
BOR
NPS
BLM
OSM
Planting corn where that mountaintop used to be...

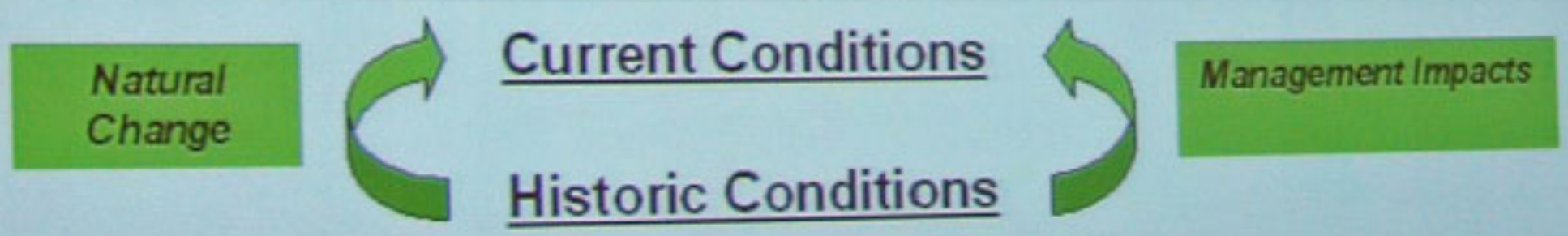
RSPs
New for 2006!!!
GMPs
GPRA
OMB Scorecard
DOI Strategic Plan
FMPs

National Park Service

Early Attempts at Starling Control...

Desired Future Conditions

- Interim Measures
- Spatial & Temporal Scales
- Financial Constraints
- Stakeholder Interests
- Social Goals & Expectations
- Regulatory Compliance
- NPS Management Policies
- Enabling Legislation
- Resource Goals & Objectives
- Abiotic Factors
- Current Resource Limits
- Historic Range of Variability



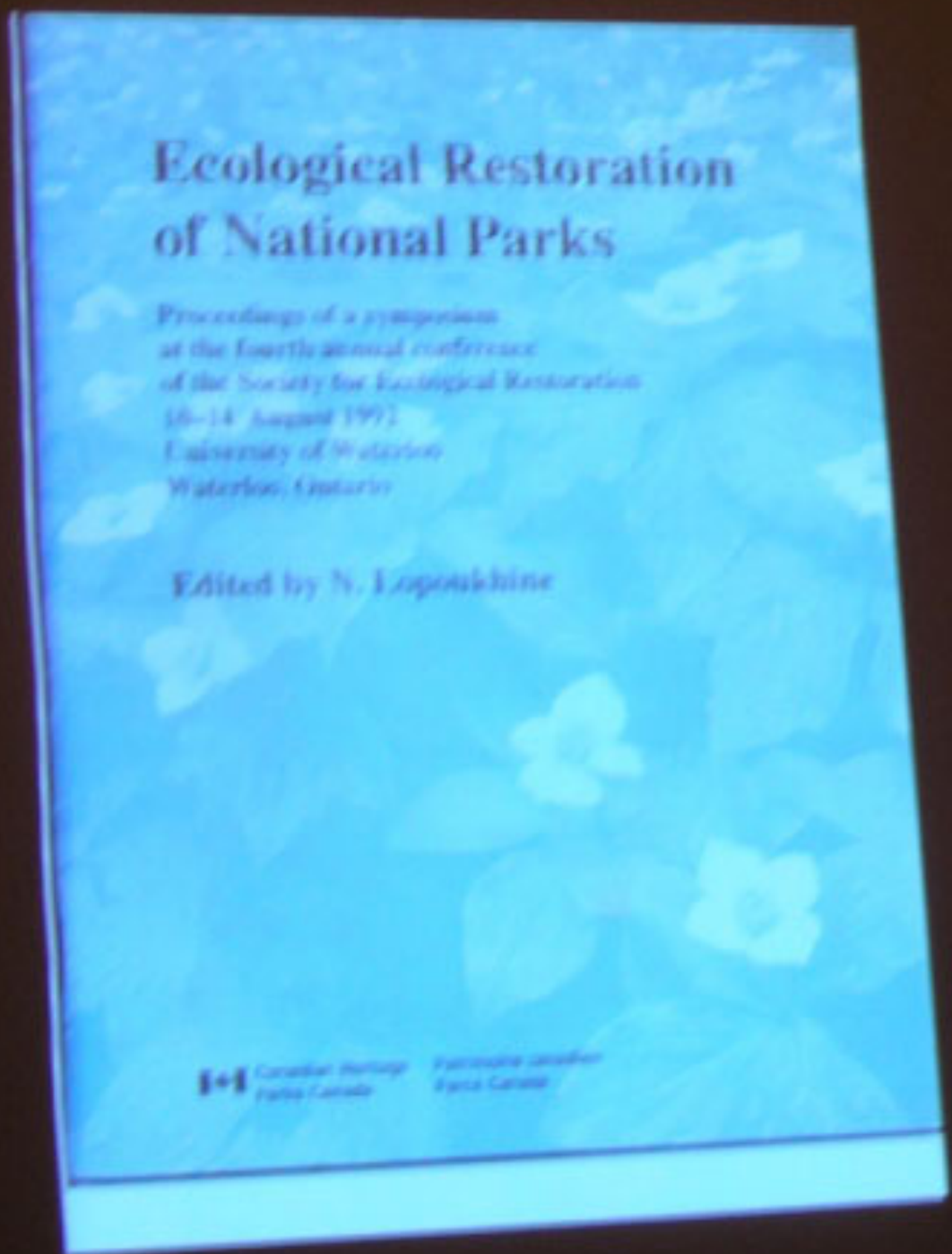
Parks Canada Parcs Canada

Canada

The Bow Valley: Parks Canada's Valley Forge

Stephen McCanny, Ph.D.
National Office
Parks Canada

Parks Canada (circa. 1992)



- Society for Ecological Restoration
- 7 case studies
- Focus on objectives
- Since then:
  - 3 restored
  - 2 underway
  - 2 unaddressed

USGS
SCIENCE

BALLCAPS
$15
LONG-SLEEVE
T-SHIRTS
$20
SHORT-SLEEVE
T-SHIRTS
$15
$38

Richard W. Sellars
National Park Service

-1000X

David Manski

PULL
PULL
PULL

Two Types of Coasts in NCBN Parks

- Ocean Coasts
  - ASIS, CACO, FIIS, GATE
  - High-energy shorelines
  - Large waves, dunes, sandy beaches
  - High variation in shoreline position
- Estuary/River Coasts
  - COLO, GEWA, SAHI, THST (and all ocean parks)
  - Lower energy shorelines
  - Smaller waves, river banks, mixed sandy and vegetated beaches, hardened features
  - Less variation in shoreline position

2 coasts x 2 features = 4 coastal features

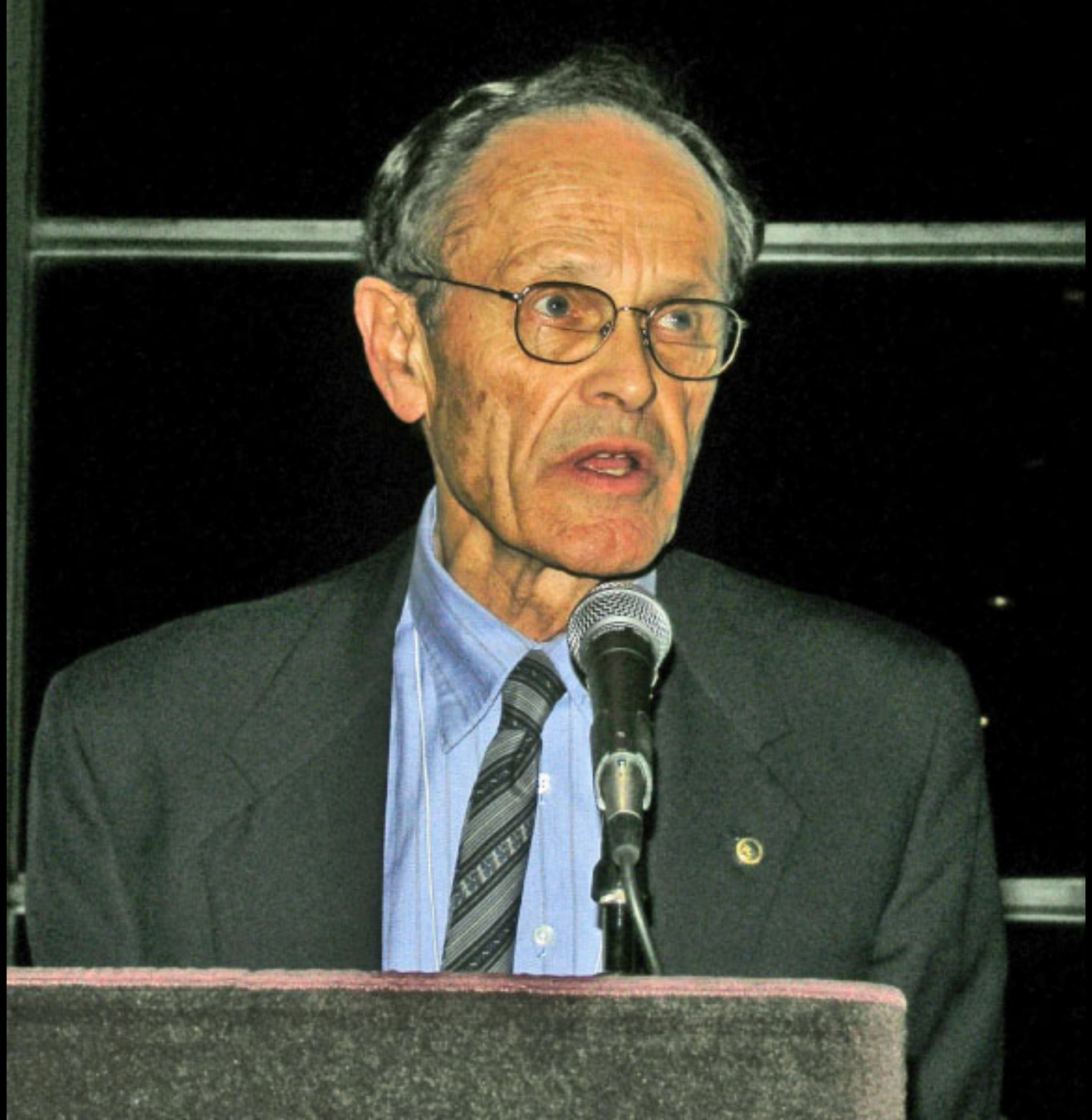
1. Ocean terrestrial (beaches, dunes, cliffs, bluffs)
2. Ocean marine (waves, bars, ridges, tides, sea-level)
3. Estuary terrestrial (beaches and banks)
4. Estuary marine (shoals, channels, currents)

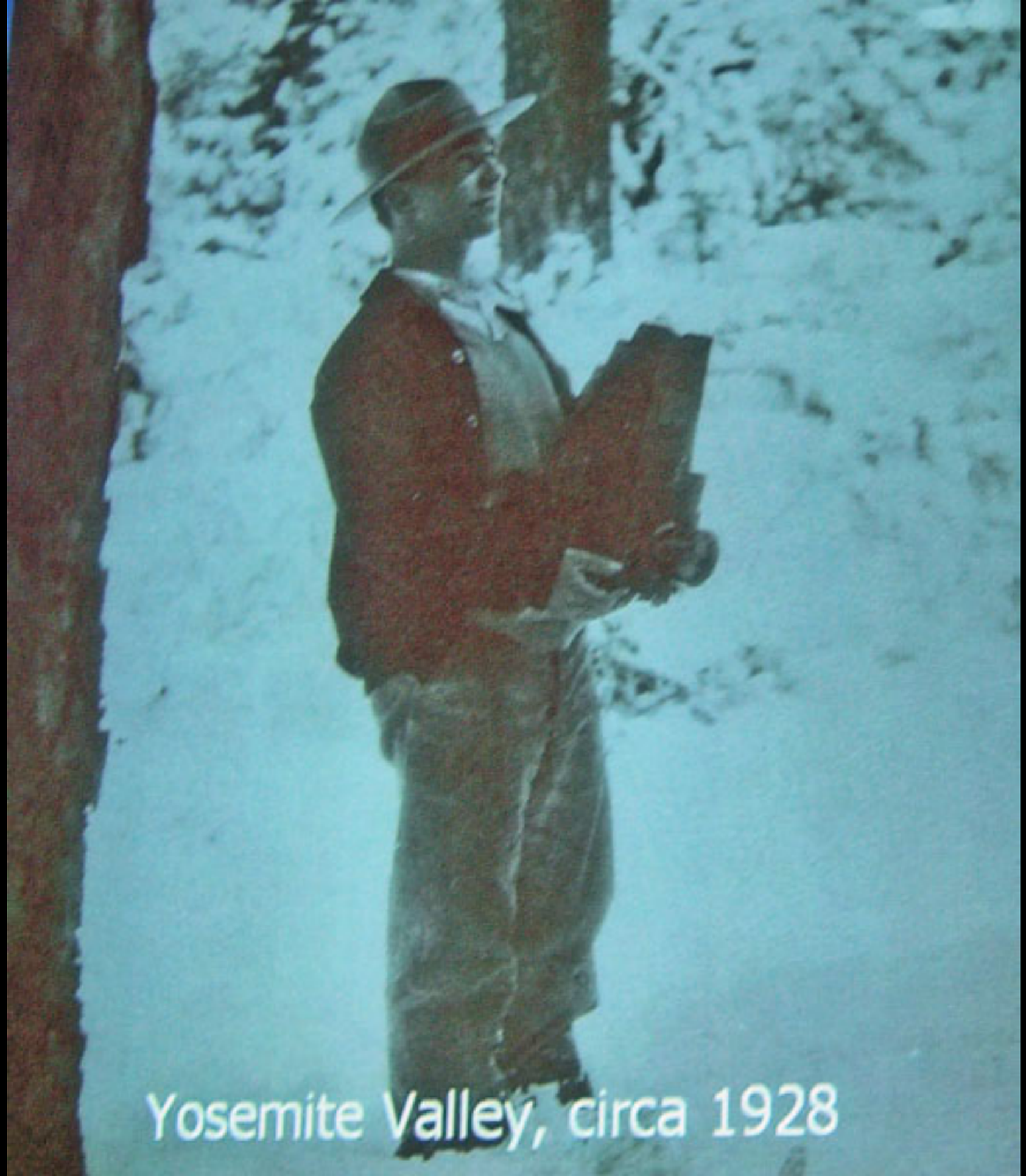
Bryan Milstead

Bill Supernaugh
Superintendent
Badlands National Park

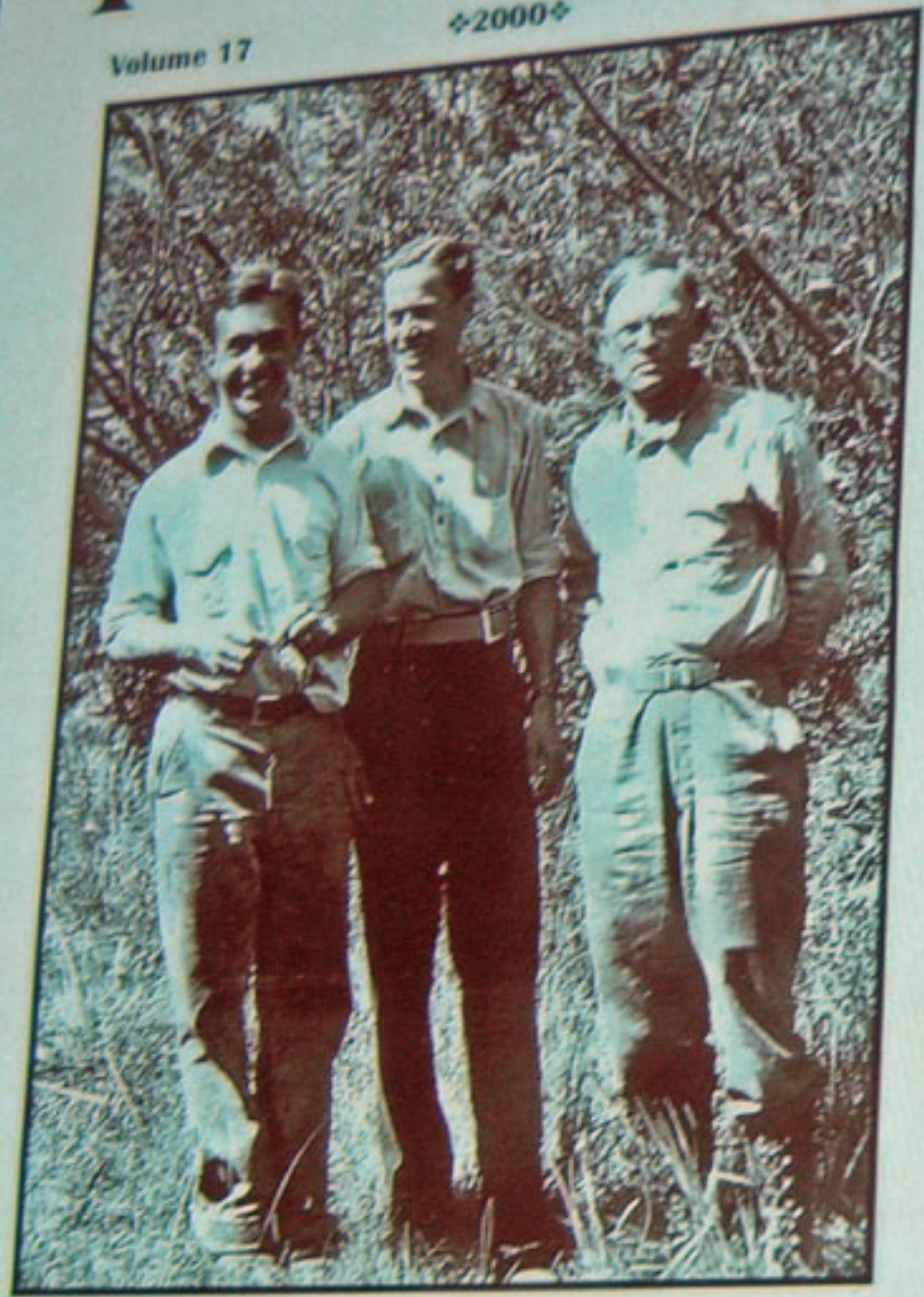
National
Park
Service
Department of the Interior

St. Patrick's Day




Yosemite Valley, circa 1928

Number 4
Volume 17
2000



George Wright

Ben Thompson

Joseph Dixon

Mono Lake, CA 1929

THE JOURNAL OF THE GEORGE WRIGHT SOCIETY

Dedicated to the Protection, Preservation and Management of Cultural and Natural Parks and Reserves

To live best I want:

1. Health
2. A family
3. Financial independence
4. Employment
5. Culture
6. social life
7. leisure

To be healthy (1) I must

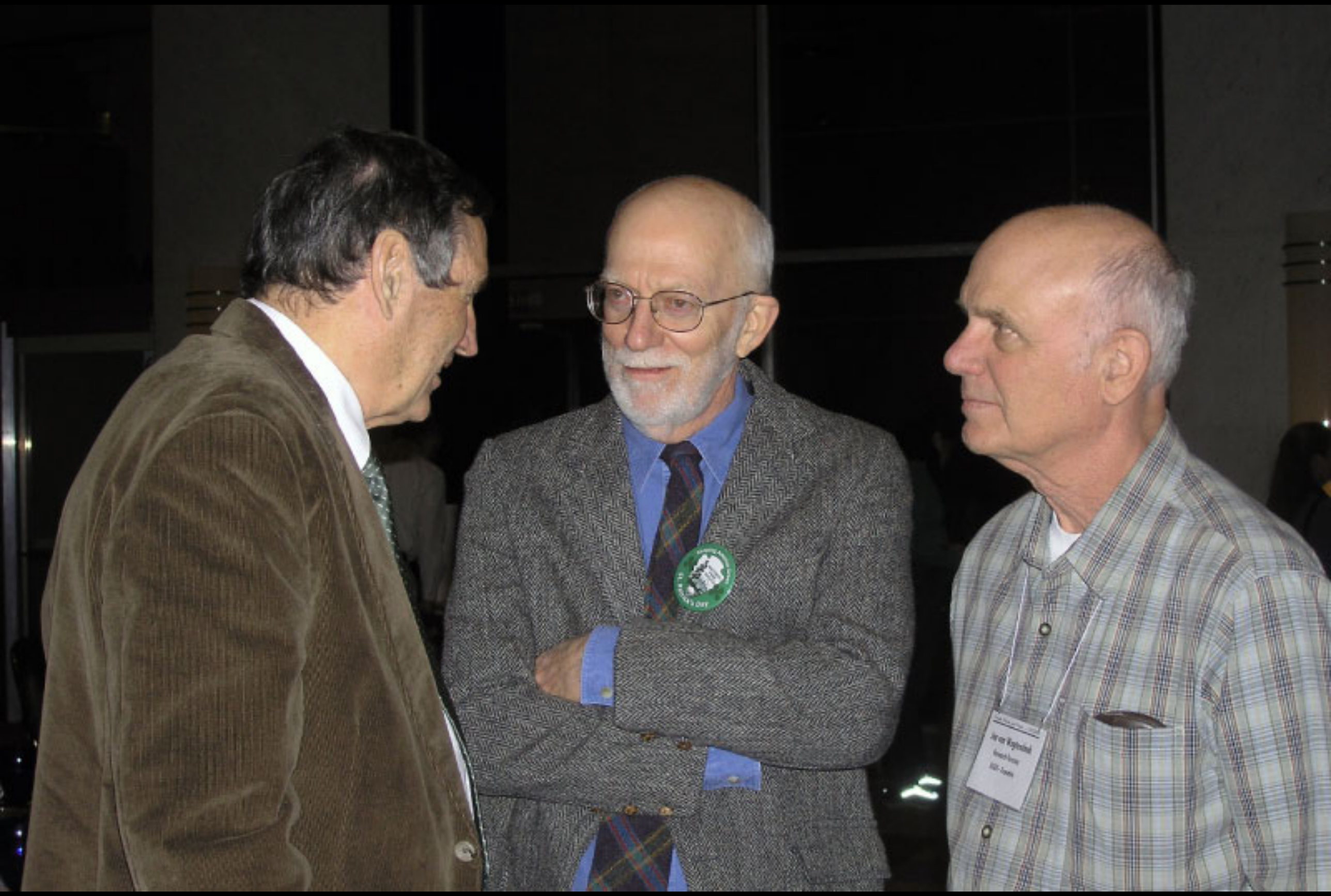
a. average 8 hours sleep
b. eat wisely
c. smoke and drink mederately
d. exercise regularly
e. find time to be leisurely
f. have prompt medical and dental attention

Mietek Kolipinski, Ph.D.
Senior Scientist
NPS Pacific West Regional
Office

AMERICAN

Sacramento
Superior
Cookbook
NATIONAL PARKS
BAKER

St. Patrick's Day



Elizabeth Cristie

Keeping America Green
NATIONAL PARK SERVICE
St. Patrick's Day

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es, impacts and
of urbanization on
policy.
search institution
scientific and
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AMERIC
UN

FIRST CITY
13
67

National Park Ser
Great Smoky Mountains

Keeping America Green
St. Patrick's Day

St. Patrick's Day

GEORGE
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Marmot

1988: Tuolumne Meadows

1995: Lawn chair supervision of Harden Meadow clipping studies

1996: Western Australia prescribed fire

(Note the fire gear)

GEORGE
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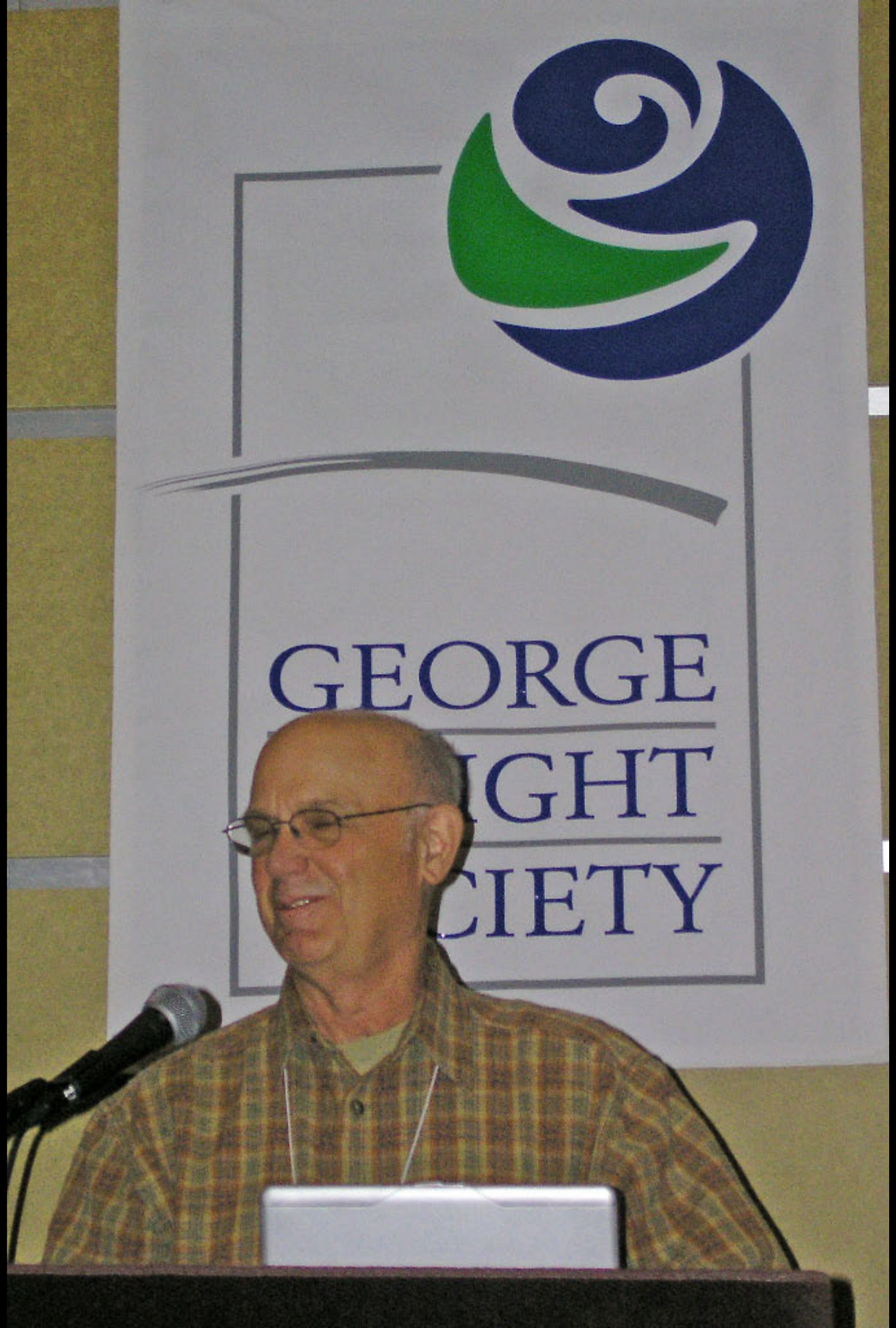
George Melvood Wright
Award for Excellence
2005
presented to
Jan van Wagtendonk


GEORGE
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CIETY

EORGE
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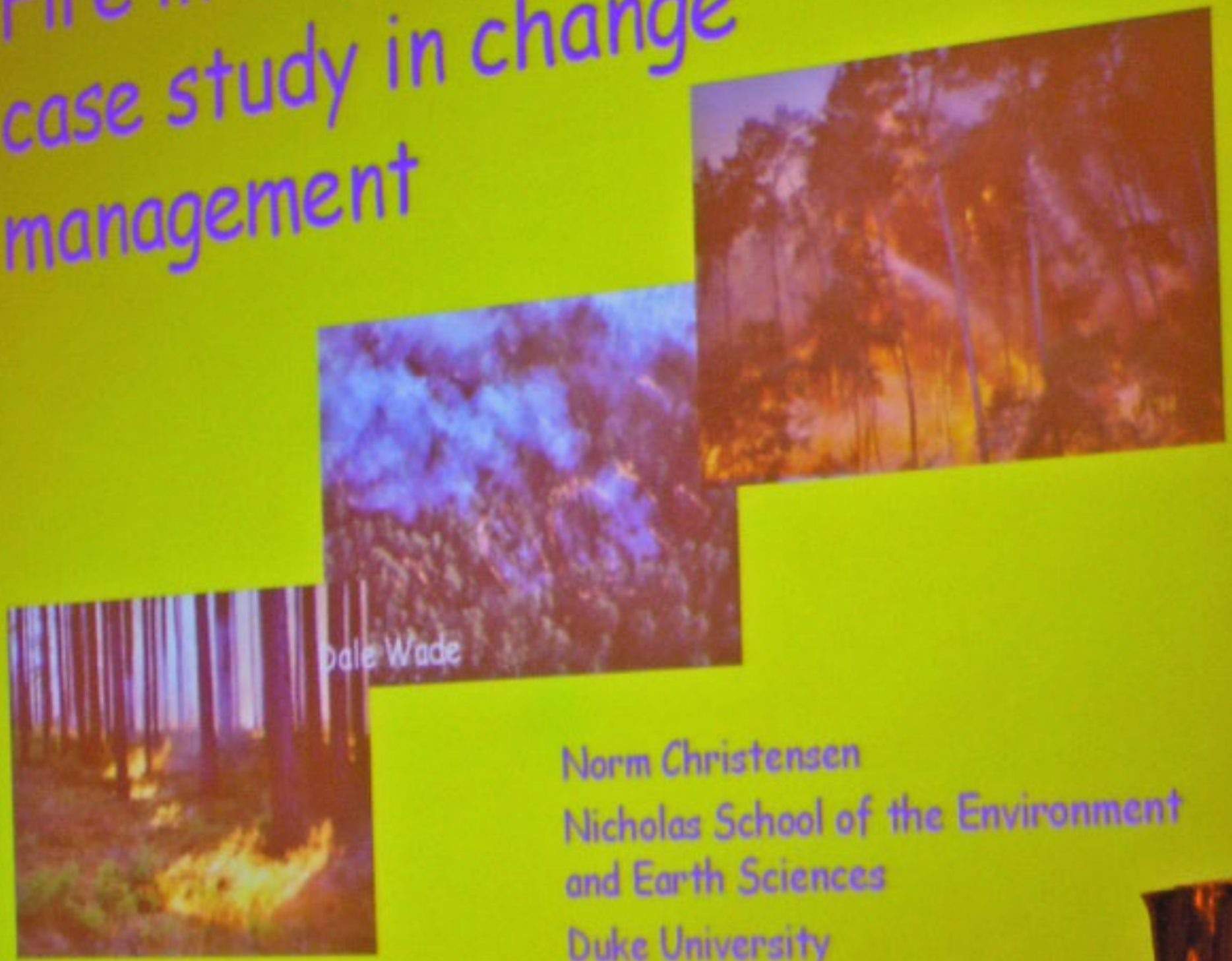
Bill Walker

Fire in the Parks: A case study in change management



Norm Christensen
Nicholas School of the Environment and Earth Sciences
Duke University
March 18, 2005

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Norm Christensen