Monday, October 12, 1998
8:00 - 8:45 a.m.
Workshops

W19 - (A) Salon E
8:00  *Geography from Space*
Chair: **Paul Mausel**, Indiana State University
**R. A. Winrich**, NASA Lewis Research Center
Show how images taken from low earth orbit, from the Space Shuttle, can be accessed using the Internet

W56 - (A) Salon A
8:00  *Making Sense of Census 2000*
Chair: **Kimberly A. Crews**, U.S. Census Bureau
Participate in activities that introduce students to Census 2000 and use real-world data. Receive copies of teaching kits with a giant U.S. census map.

W101 - (A) Yosemite/Sequoia
8:00  *Designing and Developing Interactive Geography Education Technology Based Multimedia Materials: A Mexico CD-ROM*
Chair: **Cliff B. Craig**, Utah State University

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**Michael Harper**, Utah Geographic Alliance
K-12 Workshop features Don Diggs new CD-ROM produced by the Utah Geographic Alliance, 14 GIS map sets, 750 Photos, 500 Language files, 42 teaching lessons, map puzzle, synthesized music, and much more.

W98 - (E) Grand Canyon
8:00  *A River Runs Through It: Integrating Rivers Across Your Curriculum*
Chair: **Nancy Gallavan**, University of Nevada
**Linda Agreda**, John S. Park Elementary School
Explore a variety of ideas for teaching about rivers. Approaches to introduce and extend lessons with sample products and children's literature will be shared

W89 - (E) Bryce Canyon
8:00  *Integrating Geographic Concepts in the Reading and Writing Program*
Chair: **Steven H. White**, University of Kansas
**Kurt L. Stanfield**, University of Kansas
Focuses on reading and writing activities which foster the development of understanding geographic concepts and skills through the use of children's literature.
W63 - (A)  8:00-9:30    Mt. Rushmore B

Doing Real Geography in the field with USGS Topographical Maps: An activity for Geography Awareness Week.

Chair: Ruth Shirey, Indiana University of Pennsylvania

Joseph W. Bencloski, Indiana University of Pennsylvania

Joseph Kerski, USGS

Doing Real Geography in the field with USGS topographical Maps: An Activity for Geography Awareness Week.

W116 - (E)    Salon B

8:00  People Places and Patterns: Geography Puts the Pieces Together: Elementary

Chair/Organizer: Chelsea Morse  8:00 / 8:20
National Geographic Society

Other presenters to be announced.

The Presenter will Highlight Elementary Activities in the Geography Awareness Week packet. Participants will be encouraged to share successful strategies for expanding the impact of Geography Awareness Week.

P4 - (A)       Mt. Rushmore A

GIS Education in K-14 Classrooms

GIS in K-12 Classrooms
Chair/Organizer: Melinda Schoenfeldt, Kansas State University 8:00 / 8:20

GIS in K-12 Classrooms
Ben A. Smith, Kansas State University 8:20 / 8:40

What is GIS and how can students and teachers use it effectively in K-12 classrooms? A look at past, present, and future uses of GIS.

Supporting GIS Education in the Community Colleges
Steve Palladino, University of California 8:40 / 9:00

GIS curriculum development and training opportunities for community college. GIS will be overviewed with a focus on the efforts of the NCGIA.

P26 - (US)       Mt. McKinley

SI-NET: Advanced Placement

Chair/Organizer: David Lanegran, Macalester College
P16 - (A)         Salon D

Travel Geography

Travel Writer Redmond O'Hanlon's Journeys to the Tropical Rainforest
Chair/Organizer: Dale R. Lott, Vermont Geographic Alliance 8:00 / 8:20

British naturalist Redmond O'Hanlon is obsessed with the tropical forest and superbly describes his travels to Congo, Borneo and the Amazon.

Travelers' Impressions of Arizona Along the Gila Trail, 1840 to 1880
Carol C. Warren, Arizona Geography Alliance 8:20 / 8:40

Through an examination of primary source material, participants will explore travelers' views of the desert environment as they crossed Southern Arizona.

Bermuda Triangle: Sailors' Superstition or Natural Phenomenon?
Monica Wilson, IU Southeast 8:40 / 9:00

The Bermuda Triangle is an area where magnetic declination and physical phenomena disrupt navigation and contribute to the Triangle's mysterious reputation.

S1 - (A)         Mt. Rainier

Distinguished Mentor Session Honoring Edward Fernald, Florida State University

Using the Fernald Model for Studying Places to Teach Problems Solving in a Technology Rich Environment
Chair/Organizer: Laurie Molina, Geography Education and Technology Program

Energizing Geographic Education
David Lahart, Energy and Environmental Alliance

Understanding and Predicting Behavior in Hurricanes
Jay Baker, Florida State University

Student Decision Making and Field-Based Activities in the High School Geography Classroom
Elizabeth Smith, Lincoln High School
8:45  **Playground Maps**

Chair/Organizer: **Ed Bonne**, Michigan Geographic Alliance

The Playground is not just a place for recess. Convert your playground to a geography lab. There will also be demonstrations showing how teachers can use large maps as a teaching site.

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8:45  **Fossil Geography of Indiana**

Chair/Organizer: **Miriam Hill**, Auburn University

Paleozoic fossils and Pleistocene geomorphology of Indiana and discussed. Materials and sources are provided to supplement teaching activities.

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8:45  **Integration of Geotechniques in Environmental Applications: CD-ROMs for K-12**

Chair/Organizer: **Paul Mausel**, Indiana State University  
**Denis Mudderman**, Indiana State University

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8:45  **The Silk Road - Ancient Internet**

Chair/Organizer: **Dennis Rees**, Arizona Geographic Alliance

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8:45  **A Wonderful Curriculum Tool! - National Geographic Kids Network**

Chair/Organizer: **Gwen Faulkner**, District of Columbia Geographic Alliance  
**Hilda Taylor**, District of Columbia Geographic Alliance

Highlights the efforts of a pilot program of classrooms in the District of Columbia Public Schools.
### Workshops

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<th>Time</th>
<th>Location</th>
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<th>Chair/Organizer</th>
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<tbody>
<tr>
<td>8:45 - 9:30 a.m.</td>
<td>Grand Canyon</td>
<td><strong>Connecting Geography and Economics Through Children's Trade Books</strong></td>
<td><strong>Patricia Robeson</strong>, Beltsville Academic Center</td>
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<td><strong>Carol Jarvis</strong>, Economic Education in Maryland</td>
<td><strong>Sari Bennett</strong>, Maryland Geographic Alliance</td>
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<td><strong>Barbara Yingling</strong>, Villa Cresta High School</td>
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<td>Geographic and economic concepts can be conveyed by using children's trade books. Lessons will demonstrate to emphasize performance-based instruction to integrate geography and economics.</td>
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**Monday, October 12, 1998**

#### Workshops

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<tr>
<td>10:00 - 10:45 a.m.</td>
<td>Salon E</td>
<td><strong>Xpeditions and Other Learning Adventures at national.geographic.com</strong></td>
<td><strong>M. Ford Cochran</strong>, National Geographic Online</td>
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<td>Dozens of classroom ideas, hundreds of printable maps, a virtual museum of geography-you'll find it all in Xpeditions. Come get a behind the scenes tour of Xpedition Hall and the other educational offerings at nationalgeographic.com</td>
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<td><strong>W24 - (E) The &quot;Bush&quot; Olympics 2000 Down Under</strong></td>
<td><strong>Doris Gott</strong>, Northern Illinois University</td>
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<td>Hands-on whole language approach to learning about unique Australian animals and their habitats using Geography's basic skills - asking, acquiring, organizing, analyzing, and answering questions.</td>
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**Monday, October 12, 1998**

#### Workshops

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<tr>
<td>10:00 - 10:45 a.m.</td>
<td>Salon A</td>
<td><strong>Attracting Inner-City Teachers to Alliance Programs</strong></td>
<td><strong>Joe Ferguson</strong>, National Geographic Society</td>
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<td>Since 1994 the National Geographic Society's Urban Initiative has built teams of teacher consultants in 13 major urban areas in the United States. Come hear about programs and strategies that attract inner city teachers from the leaders of participating cities</td>
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Workshops

W6 - (A) Yosemite/Sequoia

10:00 *Beyond the Classroom: Planning, Designing and Implementing Geography Fieldwork*

Chair/Organizer: **Dany M. Ray**, Georgia Geographic Alliance

This presentation will provide teachers with a template to planning designing and implementing geography field work.

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W95 - (A) Grand Canyon

10:00 *Show Me the Money*

Chair/Organizer: **Mary Ann Polve**, Arizona Geographic Alliance

**Gail Ekiss**, Arizona Geographic Alliance

Use currency to teach geographic concepts highlighting the country's culture, values and physical features.

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W34 - (A) Bryce Canyon

10:00 *Teaching Cultural and Physical*

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**Geography with 74,796 Ready-to-go Lesson Plans; USGS Maps**

Chair/Organizer: **Joseph Kerski**, USGS

Expand your skills in teaching physical and cultural geography with USGS maps by uncovering a series of mysteries built on USGS topographic and thematic maps.

W86 - (US) 10:00 - 11:30 a.m. Salon D

*Greeting the Twenty-First Century with Advanced Placement Human Geography*

Chair/Organizer: **David Lanegran**, Macalester College

**Fredrick Wright**, The College Board

**Sheila Ager**, Educational Testing Service 36-N

This workshop focuses on AP Human Geography's course structure and goals ans emphasizes the significance of this new AP offering for secondary and undergraduate education in the next century.
Learning Expo 10:00 - 11:30 a.m. Salone B (Poster Session)

**Wetland Education through Maps and Aerial Photography**
Catherine Lockwood, Chardon State University

Lawrence Handley, National Wetlands Research Center

WETMAP

**Geomystery Project**
Mary Higuchi, Hawaii Geographic Alliance

Connie Mark, Hawaii Geographic Alliance

Bernice Kihara, Hawaii Geographic Alliance

Electronic Atlas to compare and analyze communities with the Internet

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**Exotic Species Day Camp: Hands-On Resources for geography Educators**
Robin Goettel, University of Illinois

Explore aquatic exotics using new education kits, CD-ROMs, and websites

**IndianaNatureMapping Program**
Susan Berta, Indiana State University

Sponsored by the Indiana Biodiversity initiative, Indiana Nature Mapping teaches citizens about biodiversity by conveying ecological concepts through data collection and computer mapping

**Incorporating Encarta Virtual Globe CD-ROM in the Classroom**
Thomas Bell, University of Tennessee

Margaret Gripshover, Marshall University

Pocket activity guide and Virtual Globe CD-ROM
Field Geography

The Study of Bridges: Real Geography for Middle School Learners?
Chair/Organizer: Rodney F. Allen, Florida State University 10:00 — 10:20

The study of bridges in middle school stimulates the real world work of geographers, the use of that work by citizens and civic leaders, and the mature of curriculum integration.

If I Only Had One Field Trip - Geography at the Zoo
Al Forsyth, Weber State University 10:20 — 10:40

Themes, standards, concepts, integrated learning, controversial issues, service education, and much more—it's all at the zoo. But please don't feed the elephants.

National Geographic Standards as a Tool for Integrating Geography into State Mandated Curriculum Changes
Joseph Cirrincione, University of Maryland 10:40 — 11:00

Examination of the potential use of Geography Standards in helping curriculum development projects cope with State mandated changes. Maryland mandated CORE Learning Goals will serve as example.

Geography in the Community Colleges

Geography in the Community Colleges
Chair/Organizer: Gail Hobbs, Pierce College 10:00 — 10:20

Robert Christopherson, American River College

Ann Johnson, ESRI

Lisa keyes-Mathews Northern Alabama University

P31 - (A)            Mt. Rainer

Distinguished Mentor Session Honoring Sidney Jumper, University of Tennessee
Chair/Organizer: Ruth I. Shirey, NCGE and Indiana University of Pennsylvania

Mack H. Gillenwater, Marshall University

Daniel B. Good, Georgia Southern University

Geography in the News: Current Events as a Learning Tool
Neal Lineback, Appalachian State University

Geography in the News, a syndicated newspaper column, evolved to help students connect current events to geography course materials.

Marginal Lands: A Geographic Assessment of Franklin County, Pennsylvania
John F. Benhart, Shippens

Monday, October 12, 1988
10:00 - 11:30 p.m.
Papers

52
Geographers on Film: Panel Discussion

Geographers on Film (GOF)  Diffusion of Geographic Education (K - Ph.D.)

Chair: Salvatore Natoli, Independent Scholar

Organizer Maynard W. Dow, Plymouth State College

Panel members

Osa Brand, Association of American Geographers

Martha Sharma, National Cathedral School

Joseph Stoltman, Western Michigan University

Monday, October 12, 1998
10:45 - 11:30 a.m.
Workshops

W83 - (E) Yellow Stone/Everglades

10:45  A Guide to the National Spatial Data Infrastructure for Geography Teachers

Chair/Organizer: Todd Poston, University of Maryland, College Park

Derek Thompson, University of Maryland, College Park

Presents the example scenarios of spatial data use being created by the UMCP and NCGE.

W48 - (S) Salon E

10:45  Mapping with Your Two Feet!

Chair/Organizer: Cynthia Bloom, Michigan Geographic Alliance/Comstock Public Schools

Using pace count calculator ruler pencil and paper students will learn how to create their own scale maps. Scoring rubrics will be included.
W5 - (ES) Yosemite/Sequoia

10:45  **A World At Work: The Labor Force on Today's World**

Chair/Organizer: Steve Pierce, North Carolina Geographic Alliance, NCGE/CRAM Scholarship Recipient

Demonstrate how students use the 5 graphic skills to answer two questions: What kinds of Work do people do? And How does the labor force impact the economic status of a country?

W93 - (ES) Grand Canyon

10:45  **What Should I Do with This Book?**

Chair/Organizer: Patricia Robeson, Beltsville Academic Center

Barbara Yingling, Villa Creasta Elementary School

Sari Bennett, Maryland Geographic Alliance

How to use a "template" to teach geography content, skills and perspectives through a variety of children's literature.

W69 - (A) Bryce Canyon

10:45  **Global Climatic Change: Selected Implications**

Chair/Organizer: John E. Oliver, Indiana State University

Greg Bierly, Indiana State University

Richard Snow, Indiana State University

Pinpoint examples of specific, frequently asked questions about past, present and future global climatic changes and to provide brief responses. Second Part discussion circle.

W122 - (S) Salon A

10:45  **Using Laser discs to Explore Geography**

Chair: Karen Butler, Walton County Schools

Laserdiscs allow students to visually and cognitively explore various types documentation. Through exploration and investigation of various primary and secondary sources including laserdiscs students will evaluate the credibility of various sources.
W23 - (E)  
1:00  *Exotic Species Day Camp: Hands-on Resources for Geography Educators*  
Chair/Organizer: **Robin Goettel**, University of Illinois  
Come explore aquatic exotics using new education kits, CD-Roms, and websites. Your students will better understand human/environment interactions and ecosystem dynamics through these teacher/friendly resources.

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W16 - (S)  
1:00  *Awaiting 'Child Six Billion': Hands-On Lessons for a Popular Planet*  
Chair/Organizer: **Hans Andersen**, ZPG Population Education Program  
Learn innovative, hands-on strategies for teaching students the significance of world population reaching six billion in early 1999.

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W18 - (ES)  
1:00  *ISLANDS, ISLANDS, ISLANDS*  
Chair/Organizer: **Fred Williams**, Kennedy Jr. High School  
Units about Oceania the West Indies, and Indian Ocean islands are presented for grades 7-10.

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W4-(A)  
1:00  *Storming the Bastille: Impacting State Educational Policy*  
Chair/Organizer: James Pence, National Geographic Society  
Outline the strategy used by the California Geographic Alliance to successfully lobby state policy makers. A network of teachers, academics and business people was used in this effort.

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W96 - (ES)  
1:00  *A Unifying Framework for Geography Instruction*  
Chair/Organizer: **Rebecca W. Scott**, Oklahoma Alliance for Geographic Education  
**Gary Gress**, Oklahoma Alliance for Geographic Education  
A simplified way to organize the five skills of geography, five themes of geography, national geography standards, and your state curriculum.
1:00 - 1:45 p.m.
Workshops

W68 - (S) Bryce Canyon
1:00  *Environment, Ethnicity, and Migration-themes for Teaching China's Pearl River Delta Region*

Chair/Organizer: Caryn W. Stedman, Yale University
Kathleen M. Ryan, Connecticut Geographic Alliance

**Edward Lang**, Connecticut Geographic Alliance

**John Stedman**, Manchester High School

Explore geographic themes in China's most rapidly changing region—the delta home to Hong Kong, Macau, and Guangzhou

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Monday, October 12, 1998
1:00-1:45 p.m.
Workshops

W62 - (ES) Mt. Rushmore B
1:00  *Exploring America's Underground Wilderness: Teaching Teachers About Karst Landscapes*

Chair/Organizer: Hilary Hopper, American Geographical Society

**Joseph J. Kerski**, US Geological Survey

**George Huppert**, University of Wisconsin LaCrosse

Expanding America's Underground Wilderness by introducing caves and Karst landscapes into your geography teaching, emphasizing dynamic earth process, human impacts and conservation of natural resources.

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W58 - (S) Salon D
1:00  *Which Way Did They Go?*

Chair/Organizer: **Marc Dastous**, Arizona Geographic Alliance

Throughout history explorers have searched for the quickest, and easiest routes between two locations. Find out how Arizona topography influenced exploration.

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W119 - (A) 1:00 - 4:30 Mt. Rainier
1:00  *Qualitative Research in Geographic Education*

Chair/Organizer: **Joan Maier**, University of Houston-Clear Lake

**Madeleine Gregg**, University of Alabama

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Monday, October 12, 1998
1:00 - 2:30 p.m.
Papers
Historical Geography

*American Indian Settlement Patterns in the State of Indiana*
Chair/Organizer: **Ronald A. Janke**, Valparaiso University 1:00 \(\sim\) 1:20

Native American communities have not ceased to exist in Indiana and they are located in the same places that Indians have lived in for years.

*Our Place in American History*
**John S. Benson**, Moorhead State University 1:20 \(\sim\) 1:40

The results of an analysis of place names in American History texts, concluding with a discussion of how to teach it from a local perspective.

*Field Work in American Schools*
**Sarah W. Bednarz**, Texas A&M University 1:40 - 2:00

Paper describes the extent, nature and role of fieldwork in geography in the United States. It examines research on field-based learning and argues that experience is the best teacher.

Immigration and Culture

*Geographic Dimensions of U.S. Immigration Policy: A Hands-on Theme Oriented Module*
Chair/Organizer: **X. Mara Chen**, Salisbury State University, 1:00 \(\sim\) 1:20

A hands-on, theme-oriented learning module to help students better understand the U.S. immigration patterns and work toward the resolution of immigration issues and policies.

*Teaching the Concepts of Culture*
**Charles Gritzner (US)**, South Dakota State University 1:40 \(\sim\) 2:00

Definitions of culture and perspectives on concepts' nature are identified and assessed. The concept is clarified with particular reference to appropriate geographic and classroom applications.
Monday, October 12, 1998
1:45 - 2:30 p.m.
Workshops

W117 - (S) Salon D

1:45  **People Places and Patterns**

*People Places and Patterns: Geography Puts the Pieces together* (Highschool)
Chair/Organizer: **Chelsea Morse**, National Geographic Society

Other presenters to be announced.

High school level activities in the Geography Awareness Week Packet.

W43 - (A) Salon E

1:45  **Welcome to the Rainforest!**

Chair/Organizer: **Jill Archer**, Arnold Elementary School

Learn how students in grades preschool through 6 annually study and build a rainforest in their media center. Cross curricular activities and lesson plans provided.

Monday, October 12, 1998
1:45-2:30 p.m.
Workshops

W12 - (E) Salon A

1:45  **Geography of Domestic Space in Africa and USA: Mapping, Math, and Multiculturalism**

Chair/Organizer: **Sherri Stillwell**, Grand Valley State University

Participants will engage in activities that integrate math and mapping skills into the examination of three different cultures and the organization of their household space.

Involved the students in direct communication through e-mail to U.S. astronaut David Wolf while he was aboard space station MIR.

W106 - (A)

1:45  **5.8 Billion People and Counting**

Chair/Organizer: **Cheryl Lynn Stauffer**
Population Reference Bureau

Martha Sharma, Teacher Consultant National Cathedral School

In 1987, the world reached 5 billion people. In 19999, the 6th billionth child will be born. What has life been like for child 5-billion and what will the world be like when child 6-billion is born?

W115 - (E) Yellows-tone/ Everglades

1:45  **I Spy**

Chair/Organizer: **Jerri Hollyfield**, McElwain Magnet School, NCGE/CRAM Scholarship Recipient

Monday, October 12, 1998
1:45 - 2:30
Workshops
W97 - (A)  Grand Canyon  
1:45  **Landscapes of the Soul**  
Chair/ Organizer: **Rebecca Sipe**, Eastern Michigan University  
Explore the connections among geographic concepts including place and time and personal narrative and memoir writing. Curriculum materials will be provided.  

**The Geography of Civic Education**  
Education for democracy in Bosnia, Republic Srpska, and Russia? Yes! This session features the Civitas Exchange Program and will provide materials and information about getting involved.

W71 - (A)  Bryce Canyon  
1:45  **Germany and the Germans: Applying the Five Themes to Understand Change**  
Chair/ Organizer: **Glen Blankenship**, Goethe Institute, New York  
**Michael Nentwich**, Geothe Institute, New York  
**Christine O'Donovan**, Vestal Elementary School  
Germany has a central role in the geopolitical and economic unification of Europe. Participants receive lessons examining unifies Germany, including 58 color slides and wall maps.

W79 - (A)  Mt. Rushmore B  
1:45  **Implementing the Standards: A Planning Guide**  
Chair/ Organizer: **Isobel Stevenson**, Austin ISD, Austin, Texas  
**Judith Bock**, Palombi School, Lake Villa, Illinois  
**Celeste Fraser**, Chicago Children’s Museum  
**Fred Walk**, Normal High School, Normal, Illinois  
The authors of this guide, to be published in three parts by NCGE will share their work in progress on planning how to incorporate the National Standards into the k-12 curriculum.

W112 - (E)  Mt. Rainer  
1:45  **YO HO AND A Trunk Full of Treasure**  
Chair/ Organizer: **Sandy Martinez**, Arizona Geographical Alliance
W54 - (A)  
3:00  *Trip of Dreams*  
Chair/Organizer: George K. Book, LAGEA  
Teachers will take a Geographic trip of dreams using the five themes. The presentation will enhance certain geographic standards.

W75 - (A)  
**SWAP 'Til You Drop**  
Chair/Organizer: Marianne Kenney, Colorado Geographic Alliance/Colorado Department of Education  
Shanna Lippiatt, Grand Junction High School  
SWAP (South/West Assessment Partnership) is a consortium of four districts working together to develop k-12 district assessments that evaluate student achievement in Colorado Geography standards.

W15 - (E)  
3:00  *Living in the Desert*  
Chair/Organizer: Carol Warren, Arizona Geographical Alliance  
Participants will explore, using hands-on-activities, ways in which prehistoric peoples adapted to living in a desert environment.

W82 - (A)  
3:00  *Your State and the World: Geographic and Economic Connections*  
Chair/Organizer: Mary A. Fortney, Indiana Dept. of Education  
Melissa Martin, Roosevelt Middle School  
Susan Tomlinson, Franklin Township Middle School  
Lou Camilotto, McCutcheon High School  
Use the new Indiana and the World model in your classroom to teach about state and local geographic and economic relationships with the world.

W28 - (S)  
3:00  *Earth's Physical Regions and the Cultures Adapted to Them*  
Chair/Organizer: Pamela Hetzell, Kentucky Geographic Alliance  
This session focuses on a unit for one physical region, in order to lay the groundwork for teaching all regions.
Monday, October 12, 1998  3:00 - 3:45 p.m.  
Workshops

W22 - (E)  Grand Canyon
3:00  Standards and Standards Based Assessment in One High School
Chair/Organizer: David Geyer, Geography Educators Network of Indiana/Penn High School
Standards and how to begin using them in writing lessons and assessments. An example of a standards based syllabus and final exams will be examined.

W102 - (ES)  Salon D
3:00  What's Math Got to Do with It? Measuring the Material World
Chair/Organizer: Lyn Malone, Rhode Island Geography Education Alliance
Nancy Miller, Tecumseh High School, Ohio
Family portraits from Material World provide the springboard for an interdisciplinary exploration of economic development and the statistical indicators used to analyze it.

Monday, October 12, 1998  3:00 - 4:30 p.m.  
Papers

P23 - (US)  Mt. Rushmore
3:00  Students Helping Students: The Community Park Geography Project
Challenging Undergraduate Geography Students to Become Investigative Authors
Chair/Organizer: Michael Sublett, Illinois State University 3:00  3:20
Helped geography of Illinois students investigate 28 parks and collaborate with student cartographers to prepare presentation booklets.

An Investigative Author's Perspective on the Community Park Geography Project
Wendy Celey, Illinois State University 3:20  3:40
Geography student reflects on her and her classmates', initial project and impressions of a field research investigation.

Challenging Advanced Cartography Students to Experience the Client-Cartographer Relationship
Jill Thomas, Illinois State University 3:40  4:00
supervised 10 advanced cart. students as they collaborated with student clients in the creation of customized presentation booklets.

An Advanced Cartography Student's Perspective on the Community Park Geography Project
Heather Crawley, Illinois State University 4:00-4:20
Advanced cartography student discusses her and her classmates' relationships with student clients as the cartographers designed and published customized presentation booklets.

Monday, October 12, 1998  3:00 - 4:30 p.m.  

Instructional Skills and Standards

National Geography Standards as a Supplementary Text in Physical Geography Courses
Chair/Organizer: David Padgett, Austin Peay State University 3:00 \(\rightarrow\) 3:20

The physical geography course is the feeder course for the Environmental Geography September 17, 1998 by Major. On average, more than 50 percent of those enrolled are pre-service teachers.

An Inventory of the Geographical Skills of Undergraduates
Bob Bednarz, Texas A & M University 3:20 \(\rightarrow\) 3:40

The results of a test to determine the prerequisite geography skill level of undergraduates in a lower division geography course will be discussed.

Style and Substance in University Geography Instruction: Four Examples from Europe
Edwin Weiss Jr., Northern Kentucky University 3:40 \(\rightarrow\) 4:00

Differences teaching approaches, curriculum, classroom atmosphere, and faculty-student relationships in universities in Germany, Denmark, Scotland, and Spain will be compared with similar topics in American universities. Differing assumptions about the purpose of geography within the European and American contexts will be analyzed.

Multimedia Environmental Education

Computerized Interactive Media and Traditional Teaching Methods on the Elementary Geography Classroom
Chair/Organizer: Daniel Donaldson, Kent State University 3:00 \(\rightarrow\) 3:20

This study examines the spatial understanding of sixth-grade students after exposure to geography via computerized interactive media and traditional methods.

Huckleberry Hill Preserve, Mississippi: An Upper Elementary Remote Sensing Research Project
Denis Mudderman, Indiana State University 3:20 \(\rightarrow\) 3:40

Nelson Dias and Paul Mausel Indiana State University Co-Authors will not attend

Presentation will outline methods and results of an upper elementary research project of Huckleberry Preserve Mississippi and the resulting web module.

An Innovation for Interdisciplinary Undergraduate Environmental Education: The Clustered Minors program
James Eflin, Ball State University 3:40 \(\rightarrow\) 4:00

Immerse undergraduates into environmental issues regardless of their academic majors, the Clustered Minors in Environmentally Sustainable Practices program was implemented at Ball State.

Monday, October 12, 1998
3:00 - 4:30 p.m.
Papers
### Political Geography: Policy and Territorial Conflict

**China's Population Policy**  
Chair/Organizer: Laurie Gasahl, Grand Valley State University 3:00 \(\rightarrow\) 3:20

*China's Population Policy has been the subject of much research and debate. This paper will focus on the current trends and consequences of this policy.*

**Explorations of Political Space**  
Burton O. Witthuhn, Western Illinois University 3:20 \(\rightarrow\) 3:40

*Rediscover that Geopolitics is not dead. Explore anew the territorial imperative of one's backyard, neighborhood, community, state or country and the definition of political space.*

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**Monday, October 12, 1998**  
3:45 - 4:30 p.m.  
Workshops

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<th>W50 - (S)</th>
<th>Salon E</th>
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<tr>
<td>3:45</td>
<td><strong>Geography and the Persuasive Essay</strong></td>
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<td>Chair/Organizer: Cynthia Bloom</td>
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*Cynthia L. Bloom*  
Michigan Geographic Alliance/Comstock Public Schools

**Stan Masters**, Blissfield High School, Mississippi

<table>
<thead>
<tr>
<th>W113 - (E)</th>
<th>Grand Canyon</th>
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<tr>
<td>3:45</td>
<td><strong>Using Technology to Teach Geography</strong></td>
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<tr>
<td>Chair/Organizer: Karen Wallace</td>
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</tbody>
</table>

*Karen Wallace*, Southeast Lauderdale Elementary  
NCGE/CRAM Scholarship Recipient

*Formation of a lesson plan called "Multimedia Map Exploration"*
What Does Good Assessment in Geography Look Like?

Chair/Organizer: Sari Bennett, Geography Education Program

Joe Ferguson, National Geographic Society

Marianne Kenney, Colorado Geographic Alliance

The workshop will provide good examples of assessments that have been developed to assess geography content. Examples will be based on methodology outlined in the National Geographic Society's Teachers guide to Geography assessment.

The Bullet Train and Beyond

Chair/Organizer: Donna Nesbitt, East Knox Elementary, NCGE/CRAM Scholarship Recipient

In this lesson students will use geographic skills and information about transportation in Japan to make decisions about high speed rail in the U.S.

Visualizing Relationships between Earth Sun, Time, Seasons, and Navigation

Chair/Organizer: Ralph Galvin, SUNTRAK

Peter Galvin, Indiana University Southeast

Manipulating a model representing the sun's path across the horizon, participants unravel complex relationships defining seasons, direction, time, and global positioning for any date/location.

Exploring Nautical Charts - The Rest of the World

Chair/Organizer: Edward Lang, Connecticut Geographic Alliance

Many of the earliest maps were nautical charts. In this Hands-on workshop learn some ways to introduce your students to a whole new world.
W44 - (A) Yosemite/Sequoia

8:00  **Integrating the Internet into the Social Studies Curriculum**

Chair/Organizer: **Lewis A. Armstrong**, Abilene Christian University

Workshop for web site analysis, lesson plan preparation, and class web page building demonstrated with a computer and projector. Handouts will be provided.

W47 - (US) Yellowstone/Everglades

8:00  **A Geography of the American Indians: Recent Themes**

Chair/Organizer: **Donald J. Berg**, South Dakota State University

Recent patterns that have developed on many federal Indian reservations. Gambling, water resources, waste disposal and jurisdictional issues are analyzed in relation to their geographical impacts.

W14 - (ES) Salon E

8:00  **Exploring the Geography of Hobbies and Careers**

Chair/Organizer: **Susan Tomlinson**, Franklin Township Middle School

Students' personal interests and future plans are directly related to the themes and skills of geography. Show them how! Handouts will be provided.

W1 - (S) Salon A

8:00  **Country Cubed**

Chair/Organizer: **Jane Moriarty**, Michigan Geographic Alliance

Introduce the study of a country to students. Builds atlas skills, encourages the use of specialized maps and emphasizes population through visual representation. Middle School

W105 - (A) Mt. Rushmore A

8:00  **Inquiry Based Geography Instruction as a Model for Summer Institutes**

Chair/Organizer: **Brock Brown**, Southwest Texas State University

**Joe Ferguson**, National Geographic Society

Many States have adopted social science content standards that draw heavily form Geography For Life. As a result, teachers and geography educators claim to be teaching "standards based geography". Find out if lessons were truly standards-based.

U2 - (ES) 8:00-9:30 Bryce Canyon

8:00  **Family Geography Challenge Training**

Chair/Organizer: **Lydia Lewis**, National Geographic Society

Parents and kids use the news to learn more about geography.
**S2  9:00 a.m. – 12:00 p.m.  Salon C**

**9:00  Gamma Theta Upsilon Executive Committee Meeting**
Chair/Organizer: **James Snaden**, President of GTU
GTU Executive Comm. meeting

**W3 - (A)  Mt. Rainier**

**8:00  Rip It, Shred It, Pick It to Pieces: Modeling Critical Thinking Is Fun**
Chair/Organizer: **Sharon Nichols**, College of DuPage
Learn a modeling technique for making critical thinking habitual, intentional, and most of all, Fun!

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**Tuesday, October 13, 1998**

**8:00 - 9:30 a.m.  Papers**

**P17 - (A)  Mt. Rushmore B**

**World Regional Geography**

**The Making of a Geography Theme-Based Elementary School**
Chair/Organizer: **Edward Grode**, Perry Elementary School 8:00 - 8:20

How would you like to teach in a school where every teacher, every class emphasized geography every day? I can show you how.

**How Well Do Our Students Know Regional Geography?**

**Burton D. Nelson**, Central Michigan University 8:20 - 8:40

Assessment of knowledge of regional geography as a function of grade level, school type, and gender.

"Geography is": Middle School Perceptions of Geography and Geographers
**Joann C. Vender**, Pennsylvania State University 8:40 - 9:00

This research surveys sixth- & seventh-grade students to determine attitudes toward geography and geographers. It fits into research on novice distinctions in the domain.

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**Tuesday, October 13, 1998**
8:00 - 9:30 a.m.
Papers

P7 - (US)  
Salon B

**Geography Instruction: Fiction, Literacy, and Spatial Learning**

**Fiction and Global Geography: A Preliminary Assessment**  
Chair/Organizer: Michael E. Sullivan, Ball State University 8:00 → 8:20

There is no meaningful measurable difference in either affective attitudes of geographic knowledge associated with either a fictional literary base or a traditional approach to the study of global geography.

**Precursors of Geographic Education: Spatial Learning among Pre-scholars in Texas and Mexico**  
David Stea, Southwest Texas State University 8:20 → 8:40

Studies of Map learning among very young children in Texas and Mexico.

**A Model for Infusing Critical Literacy Skills into Geography and History**  
John P. Lunstrum, Florida State University 8:40 → 9:00

A model is presented with examples showing how essential critical literacy strategies may be emphasized in the integration of geography and history.

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Classroom GIS

**How to Build a GIS For Classroom Use**  
Chair/Organizer: Macel Wheeler, Northern Kentucky University 8:00 → 8:20

Using Census Bureau digital boundary files and socio-economic data, a Greater Cincinnati a GIS was created. Maps and classroom applications will be shared.

**How to Build a GIS For Classroom Use**  
Lawrence Rasche, Northern Kentucky University 8:20 → 8:40

Using Census Bureau digital boundary files and socio-economic data, a Greater Cincinnati a GIS was created. Maps and classroom applications will be shared.

**GIS in the Curriculum: Real Examples in Real Schools**  
Joseph Kerski, USGS 8:40 → 9:00

Real examples of GIS in schools developed by the author will be demonstrated and critiqued, including models on natural hazards, regional geography and neighborhood analysis.

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P19 - (A)  
Mt. McKinley

Tuesday, October 12, 1998  
8:00 - 9:30 a.m.
Novels as a Term Paper

Novels as a Term Paper in Geography
Chairman/Organizer: Joseph T. Manzo, West Virginia Geographic Alliance 8:00 – 8:20

Students need to write. Unfortunately, this means that already busy teachers must be geared. This presentation addresses an easy method to meet this obligation.

Use of Southwest Geography Institute Materials, 1997
Regina Scotchie, West Virginia Geographic Alliance/Miller Jr. High School 8:20 – 8:40

Students need to write. Unfortunately, this means that already busy teachers must be geared. This presentation addresses an easy method to meet this obligation.

Tuesday, October 13, 1998
8:45 - 9:30 a.m.
Workshops

Main Street USA

Chair/Organizer: C. Don Everhart, Kansas Geographical Alliance

Geographic activity utilizing computer software, cooking, geographical games, history, ethnic studies, archeology, e-mail, literature, and crafts. Learn how to become part of this network for this one day regional geographical adventure.

In the Wake of Columbus

Chair/Organizer: Michael Baron, Teacher Consultant Arizona Geographic Alliance

Explore the consequences of European diseases on Indian populations of the western hemisphere. A graphic and effective hands-on demonstration will be presented.

Mapping "Ecofacts" Across Indiana

Chair/Organizer: Mary T. Stuewe, Arizona Geography Alliance

Locating ecofacts about Indiana on a state road map, tracking the mileage around the state, and writing a justification about why these items would be found in that location.
Tuesday, October 12, 1998  
8:45 - 9:30 a.m.  
Workshops

**W100 - (A)  
Salon A**

8:45  *Teacher's Field Day: Connecting the Classroom with Urban and Rural Living*

Chair/Organizer: **Susan Hayhurst**, Vigo County Farm Bureau  

**Sally Carpenter**, Fayette Elementary School

Teacher's Field Day: Connecting the classroom with urban and rural living

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W90 - (ES)  
Mt. Rushmore B

8:45  *Football Geography*

Chair/Organizer: **Chris Parkhurst**, University of Northern Iowa

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W52 - (E)  
Yellowstone/Everglades

10:00  *Great Lakes Water Matters*

Chair/Organizer: **Ed Bonne**, Michigan Geographic Alliance

Demonstrate various strategies on how to integrate science and geography concepts using the Great Lakes as a Model.

---

W10 - (UE)  
Salon E

10:00  *Sampler of Primary-Level Materials from the English-Speaking World*  

Chair/Organizer: **Ruth Shirey**, NCGE, Indiana University of Pennsylvania

Learn about primary geography materials from the U.K., Australia, and Canada. Many of these can be adapted for use in the U.S. or serve as excellent models for materials development.

---

Tuesday, October 13, 1998

10:00 - 10:45 a.m.

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Tuesday, October 13, 1998
10:00 - 10:45 a.m.
Workshops

W107 - (A)  Salon A

10:00  *It's Land and Sea, You See--the Coast*
       *Ocean Voyagers Program*

Chair/Organizer: Sarah Bednarz, Texas A&M University

Mark Bockenhauer, St. Norbert College

If challenging exploratory and integrative topics "float your boat" learn about OVP Web resources, summer institutes and even teachers-to-sea opportunities on U.S. Navy Ships

W76 - (ES)  Mt. Rushmore. B

10:00  *Is It Geography?*

Chair/Organizer: James Binko, Towson State University

Lydia Lewis, National Geographic Society

Michal LeVasseur, University of Alabama

Model for analyzing the quality of geography in lesson plans. Participant will use the model to strengthen their "Geography Lesson Plan Q.

W92 - (E)  Mt. Rushmore A

10:00  *Quilting and Geography*

Chair/Organizer: Glen Weatherwax, Illinois Geographic Alliance

Linda Weatherwax, Illinois Geographic Alliance

Quilts represent our country's history and reflect our physical surroundings. Learn how to create a colorful pattern of learning in this whole-language unit.

W74 - (ES)  Mt. Rainier

10:00  *Oregon to Nepal: A Himalayan Adventure with the Oregon Geographic Alliance*

Chair/Organizer: Brian Fenderson, Oregon Geographic Alliance/Cascade High School

Judy Lowery, Robert Frost Elementary

using Slides photos and artifacts, two Oregon Geographic Alliance participants in the Teacher's Workshop in Nepal (TWIN) will share their experience and lesson ideas

W41 - (ES)  Salon B

10:00  *The Movement of Contaminants Through the Ground*

Chair/Organizer: Dwight Miller, Tecumseh High School Ohio Geographic Alliance

Max. of 36 participants. Use sand and water to simulate the movement of 6 different contaminants through the ground.
Tuesday, October 13, 1998  
10:00 - 10:45 a.m.  
Workshops

W121-(E) Mt. Rainier  
3:45  **SI-NET Elementary**

Chair/Organizer: Mary Higuchi, Hawaii Geographic Alliance  
Are you interested in Geography for K-4? Join the group. Share your ideas and network with others who possess similar interests.

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Tuesday, October 13, 1998  
10:00 - 11:30 a.m.  
Papers

P20 - (A) Mt. McKinley  
**Virtual Field Trips to Outer Space**

_The Walking Tour as an Instructional Tool Illustrated by Computerized Virtual Field Trips of Auburn, Alabama_  
Chair/Organizer: Tom L. Martinson, Auburn University  
10:00 \( \rightarrow \) 10:20

Miriam H. Hill  
10:20 \( \rightarrow \) 10:40  
Auburn University

Produced in conjunction with the Oklahoma NASA Space Grant Consortium this project introduces participants to space shuttle photography and provides a format and lesson plans for the geography classroom.

Conducting a seminar workshop on Geography on the World Wide Web  
Susan Gay.

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P22 - (A) Grand Canyon  
**Geography Curriculum**

Chair/Organizer: Joseph Manzo, West Virginia Geographic Alliance

*Geography in the West Virginia Curriculum*  
Sharon Flack, West Virginia Geographic Alliance  
10:00 \( \rightarrow \) 10:20

Students need to write. Unfortunately, this means that already busy teachers must be geared. This presentation addresses an easy method to meet this obligation.

Four Corners: Lifestyles Past and Present  
Mimi Weis  
10:20 \( \rightarrow \) 10:40  
West Virginia Geographic Alliance

Students need to write. Unfortunately, this means that already busy teachers must be geared. This presentation addresses an easy method to meet this obligation.
Tuesday, October 13, 1998
10:00 - 11:30 a.m.
Papers

P24 - (US) Bryce Canyon

**Political Geography**

*Geopolitics of the Caspian Sea Pipeline: An Environmental Perspective*
Chair/Organizer: Shahriar Nayerie, Indiana State University 10:00 / 10:20

Merging the Newly Independent States (NIS) of the former Soviet Union into a global economy has produced many political issues.

New developmental policies have made a complex geopolitical atmosphere of this region.

*Theory and Power of Positive Teaching in Political Geography*
Kenneth Martis 10:40 / 11:00
West Virginia University

A number of pedagogical works have prescribed "positive teaching" as a classroom technique. The literature of positive teaching is explained and adapted to higher education especially with respect to political geography.

Tuesday, October 13, 1998
10:45 - 11:30 a.m.
Workshops

W51 - (ES) Yosemite/Sequoia

10:45 *Dancing Geography: Add Folk Dancing to Your Geography Class*
Chair/Organizer: Mary Ann Bolinger, South Madison Community Schools

Learn Folk Dance from three different countries. Bring Blank Cassette tape to get copy of music

W9 - (A) Grand Canyon

10:45 *The Great Lakes: Vital Resource at Risk*
Chair/Organizer: Martha B. Sharma, National Cathedral School, NCGE/CRAM Scholarship Recipient

Use the Great lakes Environmental Atlas and skills from across the curriculum to analyze connections between human activity and environmental issues facing the Lakes.

W8 - (ES) Salon E

10:45 *Local Geography and History: Integrated Teaching Units*
Chair/Organizer: Richard Ross, Pennsylvania Geography Alliance

Use your local geography and history as a basis to study location of places, urban geography, history, economics, language arts, and math skills will be presented.
W108 - (A)  

10:45  **Increasing Geography Awareness:**  
*Creating a Geography Fair Involving Students, Faculty and Community*  

Organizer: **Glenda Johnson**, Kansas Geographic Alliance  
**Donna Pearson**, Kansas Geographic Alliance  

Blueprint for instituting a Geography Fair celebrating national Geography awareness week. Proven strategies encourage community involvement will be featured.

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W70 - (E)  

10:45  **Yaks in My Yard: A Storyline Approach to Teaching Geography**  

Chair/Organizer: **Jere Fitterman**, Gregory Heights Middle School  
**Gwenda Rice**, Western Oregon University  
**Christine O/Donovan**, Vestal Elementary School  

Bring geography to life for elementary and ESL students who use prior knowledge and vivid pictures to build Nepal homes. And landscape.

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W91 - (S)  

10:45  **Applying Geography to Decision Making in the Heartland**  

Chair/Organizer: **Kay E. Weller**, University of Northern Iowa  
**Jeremy Decker**, University of Northern Iowa  
**Chad Guge**, University of Northern Iowa  

Participate in interactive decision making geography lessons involving mitigation plans for an earthquake in the heartland and the appropriate place to build a railroad.

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W65 - (A)  

10:45  **A Teacher’s Guide to Geography Assessment - A New Resource for Geography Teachers from the National Geographic Society**  

Chair/Organizer: **Joe Ferguson**, National Geographic Society  
**Sarah Bednarz**, Texas A & M University  

National geographic Society’s guide to help design geography assessments for classroom.
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<th>W123 - (E)</th>
<th>Mt. McKinley</th>
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<tr>
<td><strong>1:00 Louisiana / New Zealand Express</strong></td>
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<td>Chair/Organizer: Kay Gandy, Louisiana Geography Education Alliance</td>
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<td>Three Louisiana teachers build a bridge to New Zealand, sharing Louisiana’s culture, music, and literature with students and sharing social studies teaching ideas with teachers</td>
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<tr>
<th>S8</th>
<th>Yosemite/Sequoia</th>
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<td><strong>1:00 GUIDE-Geographical University Instruction Diffusion Effort Meeting.</strong></td>
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<td>Chair: Ruth Shirey, Indiana University of Pennsylvania</td>
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<tr>
<th>W27 - (A)</th>
<th>Salon B</th>
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<td><strong>1:00 Where Do I Fit In?</strong></td>
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<td>Chair/Organizer: John L. Halverson, Desert Sands Middle School</td>
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<td>Utilizing their senses, students will create a mental map of a neighborhood they have lived in, enabling them to visualize their place in the world.</td>
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Themes in Environmental Geography

_Climatic and Anthropogenic Effect on Water Supply, Chad Basin_
Chair/Organizer: Solomon Isiorho, Indiana University - Purdue University 1:00 - 1:20

Availability of water supply, a human necessity is dependent on climatic and anthropogenic activities. Chad Basin, Africa is used to illustrate this connection.

_Environmental Cognition and Its Relationship to Children's Attitudes and Behaviors toward Nature_

Magdalena Zaidel, Pennsylvania State University 1:20 - 1:40

This study examines the development of children's mental models about the water cycle. These models are correlated with children's attitudes and behaviors about water conservation.

_Fundamental Themes in Water Resources_

Richard A. Earl, Southwest Texas State University 1:40 - 2:00

The Author will introduce and discuss four major themes that are useful to consider in analyzing water resource ideas.

P35 - (A) 1:00 p.m. - 4:30 p.m. Bryce, Grand Canyon

President's Session: Teaching about Korea
Chair/Organizer: David Lanegran, Macalester College, President of NCGE

_Korean and United States Relations in the 21st Century_

Donald Gregg, Chair of Korea Society
Former US Ambassador to Korea National Security Advisor  Keynote Speaker 1:00- 2:30

_Sustainable Development of Cheju Island: Discussion Groups for College Classrooms_

Siyoung Park, Western Illinois University

_Teaching about Women in Asian Cultures: The Case of the Korea, Lessons for the Secondary Classroom_

Marjorie Bingham, Hamline University 2:30 p.m. - 3:00 p.m. Break

_What is in a Name? The East Sea or the Sea of Japan_

Ki-Suk Lee, Seoul National University Keynote Address

_An Interdisciplinary Standards Approach to Studying a Country: Highlighting Korea_

Billie Kapp, Connecticut Geography Alliance

Discussants: David Lanegran and Siyoung Park
P3 - (US)  

**Geography of Sport**

*Hoosier Hysteria: A Geographic Trilogy of Indiana Basketball*
Chair/Organizer: **Roger Jenkinson**, Taylor University 1:00 -1:20


*The Winter Olympics, 1924-1998: Exclusivity of Ice, Snow, and Wealth*
Ingolf Vogeler, University of Wisconsin 1:40 2:00

The Geographical patterns of Winter Olympics are examined.

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P10 - (A)  

**Historical Geography**

*Indonesia at 50: Changes and Challenges*
Chair/Organizer: **Chris Drake**, Old Dominion University 1:00 1:20

An analysis of the changes that have occurred since independence in 1949 and the ecological, Economic and human challenges that confront Indonesia today.

*How Twentieth-Century American Geographers Have Viewed Their Pre-Civil War Predecessors*

**Ben A. Smith**, Kansas State University 1:40 2:00

Twentieth-century geographers often have criticized predecessors who lived before the age
P6 - (US)   Mt. Rushmore B

**Distance Learning-Based Geography**

*Developing, Disseminating and Assessing a Distance Learning-based Graduate Program*
Chair/Organizer: **Susan Hardwick**, Southwest Texas State University 1:00 / 1:20

Masters in Applied Geography degree program that provides course work via the Internet, e-mail connections and interactive video.

*GEOGED as a Virtual Workshop*
**Brock Brown**, Southwest Texas State University 1:20 / 1:40

Masters in Applied Geography degree program that provides course work via the Internet, e-mail connections and interactive video.

**Stanley D. Brunn**, University of Kentucky 1:40 / 2:00

The merits of cyberspace exchanges are discussed,

P30 - (A)   Mt. Rainier

**Getting Started with Geography Research**

*K-12 Geography Teacher as Researcher: Getting Started*
Chair/Organizer: **Al Forsyth**, Weber State University

**Joan Maier**, University of Houston-Clear Lake 1:20-1:40

Overview of Teachers as research model and steps for becoming a teacher researcher in conjunction with a senior researcher.

S3  1:30 p.m. / 2:30 p.m.  Salon C

**GTU Business Meeting**
Chair/Organizer: **James Snaden**, President of GTU

P27 - (US)   Mt. Rushmore A

**Teaching Introductory Geography at the College Level**

Chair/Organizer: **Carol Gersmehl**, Macalester College

**Marty Mitchell**, Mankato State University

**Miriam K. Lo**, Mankato State University

**Cynthia Miller**, Mankato State University
W61 - (S,E)  Mt. McKinley

1:45  Using NASA Missions' Images of Earth's Land Forms

Chair/Organizer: Jim Fitzgerald, NASA Aerospace Education Service Program

Connect NASA Missions, images on-line education resources, activities and interactive opportunities to classroom content.

W35 - (S,E)  Yosemite/Sequoia

1:45  Great Lakes--Great Lessons

Chair/Organizer: Wayne E. Kiefer, Central Michigan University
Virginia Figura, Franklinville Central School

Classroom lessons on environmental topics within the Great Lakes region. Classroom sets of place mat size maps of the Great lakes region will be provided.

W11 - (E)  Salon B

1:45  Geo-Journaling with CNN

Chair/Organizer: Barbara Soto, Reynolds Elementary School

Geo-Journaling is an on-going year-long activity designed to give students practice in using the 5 themes map skills to analyze, interpret and manage today's news.
Gamma Theta Upsilon

Chair/Organizer: Leon Yacher, Southern Connecticut State University

The History of Gamma Theta Upsilon
Orland Maxfield, University of Arkansas

This paper presents the history of GTU from a local geography club to an international geographical honor society. It will soon celebrate its 75th anniversary.

The International Executive Secretary's Role in Gamma Theta Upsilon
Virgil Holder, University of Wisconsin-La Crosse

Discusses the role of the secretary and how the position has evolved over the past decade.

Financial Perspective of GTU
Leon Hallman, Stephen F. Austin State University

GTU International Geographical Honor Society, is a non-profit corporation incorporated in the State of Illinois. Financial history and trends are reviewed from the perspective of the controller.

The Present Status and Prospects of GTU
James Snaden, Central Connecticut State University

GTU’s recent progress, take stock of its current situation and look at its prospects for the next 25 years.

Introducing Non-geographers to GIS Watershed in a Regional Class
Chair/Organizer: Barbara Fredrich, San Diego State University, and J. Vance 3:00 ↓ 3:20

Employing a GIS module in a college class.

Pedagogy, Mapping, and Term Papers

Active Pedagogy: A Case Study of a Field Geography Course in Texas
Chair/Organizer: Curtis Holder, Augustana College 3:00 ↓ 3:20

Students in Texas learned field sampling and data collection techniques while helping to identify potential water problems in Houston.

Mapping Geographic Data in a Project for World/Regional Geography
Mark E. Reisinger, Indiana University 3:20 ↓ 3:40

University students use a spreadsheet and mapping program to manipulate, analyze, interpret, and map various measures of material well-being for countries of the world.

Term Paper Experiences
Thomas Mueller, University of Illinois 3:40 ↓ 4:00

research examines students’ experiences working on group term papers through the use of surveys.
P15 - (A)  

**Human Geography Instruction**

Chair/Organizer: Patricia Gober, Arizona State University

*Human Geography in Action Summer Workshop*

Patricia Gober, Mike Kuby, and John Harner, Arizona State University 3:00 - 3:20

Report of and NSF-funded summer workshop to engage human geography instructors in student-centered learning using hands-on materials to collect, manipulate, analyze, geographic information.

**Inquiry-Based Learning in the Middle Level Geography Classroom**

James Hauf, Villa Duchesne Middle School 3:20 - 3:40

Activities develop students' skills in both formulating and answering geographic question.

**Problem-Based Learning and World Regional Geography: the Challenge of Active Learning**

Eric J. Fournier, Samford University 3:40 - 4:00

PBL is a well-established method of instruction in medical and professional schools. The challenge of adapting PBL techniques to the geography classroom is discussed.

Chair/Organizer: Al Forsyth, Weber State University

James Petersen, Co-Chair, Southwest Texas State University

*The Gendered Geographies of Adolescent Life in Eugene, Oregon*

Ginny Berkey, Kelly/da Vinci Middle School

Laurie Molina, University of Florida

*The Gendered Geographies of Adolescent life in Eugene, Oregon*

Pamela Wridt, The City University of New York (CUNY)

*How is GIS Learned?*

Paul Vincent, Texas A & M University

*An Examination of Spatial Abilities: The Influence of Gender, Geographic Setting and Geographic Landscape--Initial*

Jan Smith, University of Georgia

*Assessment of the Geographic Knowledge of Pre-Service Social Studies Teachers in the State of Kansas*

Patrick Thomas, Kansas State University

*The Diffusion of Western Models of Education*

Jeff Lash, Southwest Texas State University

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S6  3:00 - 4  

Mt. Rushmore B

NCGE Business Meeting

P36 - (A)  

**Research in Geography**

*Sponsored by NCGE Research and External Relations Committee*
S4 - (US)  Mt. Rainier

3:00  **Teaching Introductory World Regional Geography**

*Approaches to Teaching Introductory World Regional Geography*

Chair/Organizer: **Phil Klein**, University of Northern Colorado

**Paul Anderson**, Illinois State University

**Barry Mowell**, Florida Atlantic University

**Dick Cleek**, University of Wisconsin Colleges

Compares and contrasts the advantages and problems associated with both the comprehensive "regional" approach and the selective "thematic" approach to world geography survey courses.

S5 - (A)  Mt. McKinley

3:00  **Curriculum Specialist SI-NET meeting**

Chair/Organizer: **Ruth Shirey**, NCGE and Indiana University of Pennsylvania

Informal session to allow members of the Curriculum Specialists SI-NET to meet and discuss ideas needs, and programs to meet the needs of NCGE members with curriculum interests and responsibilities.

3:00  **Population, Poverty and Global Security**

Chair/Organizer: **John Goekler**, Facing the Future: People and the Planet

Examines linkages between population, environmental, economic and social issues, trends in resource consumption and human well-being, and humane, culturally appropriate solutions.

W118 - (S)  Salon B

**People, Places and Patterns**

*People, Places and Patterns: Geography Puts the Pieces Together: Middle School*

Chair/Organizer: **Chelsea Morse**, National Geographic Society

Presenter will highlight high school level activities in the Geography Awareness Week packet. Participants will be encouraged to share successful strategies for expanding the impact of Geography Awareness Week.

W21 - (A)  Yosemite/Sequoia
Tuesday, October 13, 1998
3:45 - 4:30 p.m.
Workshops

W78 - (A)          Mt. Rainier
3:45  *Geography Mathematics and Science Standards: Changing Practice*

Chair/Organizer:  Patricia Swanson, Minot State University
Marilyn Weiser, Minot Public Schools/Jefferson Elementary

Present the evaluation of a 6 semester hour course in which college students were teamed with area teachers to implement the National Standards.

W57 - (S)          Mt. McKinley
3:45  *Using the Internet to Enhance Your Geography Instruction*

Chair/Organizer:  Marc Dastous, Arizona Geographic Alliance

Ways to use the Internet to enhance your geography curriculum.

W77 - (E)          Yosemite/Sequoia
3:45  *Turtles on the Beach in Costa Rica at Night: A Whole Language Geographic Learning Activity*

Chair/Organizer:  James Lennert, Illinois Geographic Alliance

Len Hodgman

Participants will gain and understanding of the plight of turtles as an endangered species throughout the world. Participants will also enter into a simulation for the early elementary classroom where they will take a mental geographic journey to a turtle beach in Costa Rica at night.

W120          Salon B
3:45  *Geography and Volunteerism*

Chair/Organizer:  David Dobkoski, Wisconsin Geographical Alliance
Margaret Svanda, Wisconsin Geographical Alliance

All levels of the volunteer program to become part of the land by working to provide for us parks and national forest lands. Recently acted in Laramie Wyoming in Medicine Bone National forest.
<table>
<thead>
<tr>
<th>Time</th>
<th>Workshop Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Underground Wilderness: Exploring Underground Wilderness: Teaching Teachers About Landscapes</td>
<td>Nation Park</td>
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<td>Chair/Organizer: <strong>Hillary Hopper</strong>, Karst in Slovenia: The Heartland of Speleology</td>
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<td>George Huppert, University of Wisconsin-LaCrosse</td>
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<td>Joseph Kerski, USGS</td>
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<td>8:00</td>
<td>The National Geography Olympiad: Building Standards-Based Assessments</td>
<td>Canyon Hall</td>
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<td>Chair/Organizer: <strong>James F. Marren</strong>, NCGE past president</td>
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<td>Explore the Olympiads' structure, how they complement standards and where they are headed.</td>
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<td>8:00</td>
<td>74,796 Ready-to-go Lesson Plans; Teaching Cultural and Physical Geography with USGS Maps</td>
<td>Mt. Rushmore A</td>
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<td></td>
<td>Chair/Organizer: <strong>Joseph Kerski</strong>, USGS</td>
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<td>8:00</td>
<td>Graphic Organizers in the Elementary Classroom</td>
<td>Mt. Rainer</td>
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<td>Chair/Organizer: <strong>Sr. Madeline Gregg</strong>, University of Alabama</td>
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<td>How graphic organizers scaffold geography learning followed by practice using and designing 6 graphic organizers for particular topics in geography</td>
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<td>8:00</td>
<td>Organizing a Children's Water Festival</td>
<td>Mt. McKinley</td>
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<td>Chair/Organizer: <strong>Barry Witten</strong>, Western Illinois University</td>
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<td><strong>Patrick G. Thomas</strong>, Social Studies Teacher for Valley Center High School</td>
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<td></td>
<td>participants will learn how to put on a Children's Water Festival for elementary students based on issues related to water quality. Quantity, recreation and conservation</td>
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Middle School SI-NET Progress and Projects

Chair/Organizer: Lyn Malone, Coordinator, Middle School SI-NET

Middle School SI-NET Progress and Projects

W87 - (US) Mt. Mckinley

8:45  A Pedagogic Toolbox for Learning with GIS

Chair/Organizer: Derek Thompson, University of Maryland

Richard Write

David Wong

Judy Olson

Sally Ives

William Dakan

Rene Hinojosa

Comprehensive pedagogically-oriented geographic information system for learning geography

W72 - (S) Mt. Rushmore A

3:45  GeoBlitz

Chair/Organizer: Susan Keith, LAGEA

Peggy Meaux, LAGEA

Hands-on workshop, with many high interest, classroom-tested activities. Each is coordinated with the content standards and is adaptable for use in any level. Lessons include Ghost Fleet of the Outer Banks, Immigrant's Suitcase, etc.

W125 - (E) Mt. Rushmore

8:45  Oklahoma from Space: From Liftoff to Touchdown

Chair: Jayne Marley, Oklahoma Alliance for Geographic Education

Produced in conjunction with the Oklahoma NASA Space Grant Consortium this project introduces participants to space shuttle photography and provides a format and lesson plans for the geography classroom.

W80 - (A) Mt. Ruchmore B

1:45  An Update of the Pedagogy/Geography Model for A Pre-service Elementary Social Studies Methods Course

Chair/Organizer: Charles Gildersleeve, University of Nebraska at Omaha

Ivalyn VanEvery, University of Nebraska - Omaha

A Continuing effort to create an integrated curriculum project to develop a combined pedagogy/geography content as the focus in the Social Studies curriculum.
Wednesday, October 14, 1998
10:00 - 10:45 a.m.
Workshops

W46 - (A)       Canyon Hall
10:00  **EarthKam - Students Explore Earth from Space**

Chair/Organizer: Daniel Barstow, TERC

EarthKam provides students with direct access to a camera flown on the shuttle. In this workshop, you will explore Earth using EarthKam images.

W124 - (S,E)   Nation Parks
Part 2 of a 2 part workshop. Part 1 on Monday at 8:00
10:00  **Exploring Mexico: Using the CD-ROM set to create Classroom Presentations and projects**

Chair/Organizer: Cliff Craig, Utah State University
Michael Harper, Utah Geographic Alliance

Exploring Mexico two disc CD-ROM is extremely easy to use, affordable and adaptable to many grade levels making it a perfect choice.

Wednesday, October 14, 1998
10:00 - 10:45 a.m.
Workshops

W49 - (E)       Mt. Rushmore B
3:00  **Bridges to Understanding: Children, the United States and Japan**

Chair/Organizer: Joan Bloom, Henry Barnard School at R.I. College

W30 - (S)            Mt. McKinley
10:00  **New Ideas for Teaching 9th Grade Geography**

Chair/Organizer: Susan Hume, Southwest Texas State University

Demonstrate several new activities such as teaching longitude with a football gridiron and using the Internet to define the boundaries of a region.
W37 - (S) Canyon Hall

10:45  *Earthkam*

Chair/Organizer: *Marge Lehky*, NASA Lewis Research Center

Project Earthkam allows middle school students to request the astronauts to take pictures of our earth.

W85 - (US) Mt. Rushmore

10:45  *Organizing and Running an Interscholastic Geography Olympiad for High School Students*

Chair/Organizer: *John Stedman*, Manchester High School and Connecticut Geographic Alliance

*Caryn Stedman*, Yale University

3 new secondary and college lessons explore geographic themes in China's most rapidly changing region - delta home to Hong Kong, Macau and Guangzhou.

W25 - (E) Mt. Rainier

10:45  *A"Maize"ing Traditions*

Chair/Organizer: *Theresa Gottbrath*, Silver Street Elementary School

Become familiar with the beliefs, customs and lifestyles of the Yucatec Mayan People.
Beyond the Bee: National Geographic's New High School Geography Competition

Chair/Organizer: Patricia Strohm, National Geographic Society

Last minute changes

Monday 8:00 Workshops

Geography Lessons on Equity Issues

Chair: Billie Kapp

Karen Cook, Gael Stapleton, and Billie Kapp
Connecticut Geographic Alliance

Reading the landscape and analyzing personal “turf maps” for signs of gender and ethnicity are ways to include under represented groups into geography activities.

Research and Teaching the Geography of Civil Rights and Social Justice

Chair: Jonathon Leib Florida State University

Owen Dryer, University of Kentucky 1:45-2:00

Organizer: Christopher Merritt, Western Illinois University 2:00-2:15

Rex Honey, University of Iowa 2:15-2:30

Tim Hill, National Geography Bee

Workshop provides information about the National Geographic Society's new high school student geography research project which launches in 1998.