

WHO ARE YOUR INSTRUCTORS?

ROGER PALMER, BISHOP DUNNE H.S.

Roger Palmer teaches high school chemistry, physics, and environmental/field science in Dallas, Texas. He has been involved with a NASA initiative in the upper mid-west that uses NASA generated imagery to teach math, science, and geography to K-12 students. He holds an M.S. in Chemistry and conducts research with students in the use of GIS to model integrated approaches to environmental problems.

ANITA PALMER, GIS ETC

Anita Palmer was a high school technology teacher who most recently taught GIS and AutoCad in Carson City, NV. She has authored and taught numerous technology classes for K-12 teachers focusing on integration of GIS technologies throughout the curriculum. She is one of the three authors of the first GIS curriculum book for the 6-12th grade world geography classroom as well as a new community based GIS book. She is completing her M.S. in geography with an emphasis on GIS in education.

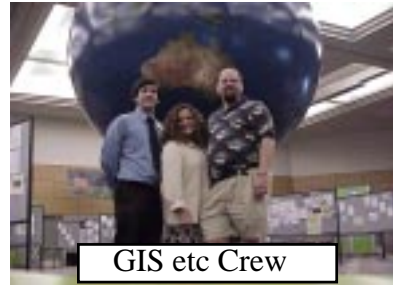
DR. JOSEPH KERSKI, USGS

Joseph Kerski serves as education geographer at the US Geological Survey in Denver, Colorado and an instructor of GIS at the University of Denver. He conducts 40 educational workshops each year for educators on the integration of scientific data into the curriculum. He holds a Ph.D. in geography with an emphasis on GIS and geography education.

RHONDA CAREY, IRON MOUNTAIN H.S.

Rhonda Carey is a high school biology teacher from Iron Mountain in the Upper Peninsula of Michigan. Rhonda is an eight-year teacher who has incorporated GIS into her science curriculum for the past four years. She has created and implemented several units involving GIS software, GPS and Palm handheld computers. Her students have worked closely with the Michigan DNR on local field research projects. She is a seasoned presenter and has been selected to present "GIS Technology: Use in the High School Classroom" at the 2003 National Educational Computing Conference (NECC) in Seattle, Washington.

Use GIS to explore the interactions of the natural, cultural, and physical environment. Apply maps, charts, aerial photographs, databases, and images to analyze trends and patterns.



GIS etc Crew



Field Work

GEOGRAPHIC INFORMATION SYSTEMS (GIS) INSTITUTE FOR EDUCATORS

11-15 August 2003

Sponsored By

U.S. Department of Education

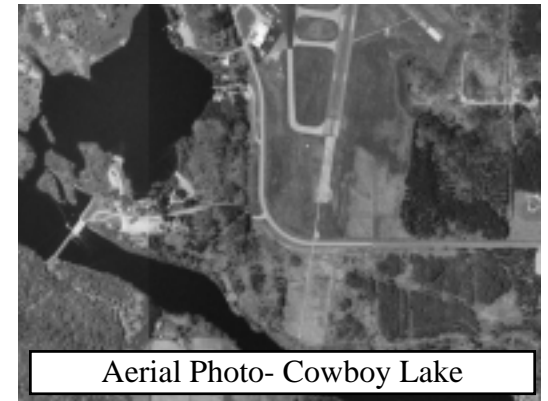
Technology Innovation

Challenge Grant

&



Phone (214) 533-8376
email gisetc@aol.com



Aerial Photo- Cowboy Lake

Please fill out the following information with answers to the questions below:

Name: _____

Address: _____

City: _____

State & Zip: _____

Telephone: _____

Email: _____

School: _____

Address: _____

City: _____

State/Zip: _____

Grade(s) you teach: _____

Subject(s) you teach: _____

Please attach a separate sheet with answers to the following four questions:

How do I feel I will benefit from GIS training?

How will I introduce GIS into my curriculum?

How do I rate myself as a computer user?

How can my class work with the community and apply GIS technology to a real life issue?

Please send your answers, this form, and a deposit of \$150.00 payable to the Dickinson-Iron ISD. The receipt of your deposit will reserve your space for the institute.

Balance of \$550.00 due by 25 July 2003.

WHAT WILL YOU RECEIVE?

- 45 hours of hands-on ArcView GIS training, fieldwork, and theory by nationally-renowned instructors
- Teacher manual with ready-to-use lessons easily applied to content standards.
- Digital data for use in the classroom, maps, books, and other goodies.
- Books *Mapping Our World: GIS Lessons for Educators* or *Community Geography: GIS in Action!*
- *Optional:* 3 graduate credits.
- Continental Breakfast and Lunch Monday-Friday

WHAT ARE YOUR COSTS?

- Registration - \$700.00.
- Airfare for out-of-town guests.
- 6 Nights Lodging. Many inns and lodges within a few miles of the institute range from \$29.00 – 65.00/night/ (Chamber # 906-774-2002)
- Entertainment/activities – Hiking, bicycling and exploring the beautiful Iron Mountain and Kingsford area of the Upper Peninsula of Michigan. Roger Palmer's incredible harmonica playing is also a favorite event!

To Register:

Dickinson-Iron-Menominee
Mathematics, Science and Technology Center
Attn: Dee Benjamin
1074 Pyle Drive
Kingsford, MI 49802

For More Information

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HOW IS GIS BEING USED IN THE CLASSROOM?

GIS is a system designed for storing, updating, analyzing, displaying, and manipulating information about places on the planet, otherwise known as spatial data. This system uses the power of the computer to answer geographic questions by arranging and displaying all kinds of data about places in a variety of ways such as with maps, charts, and tables.

HOW IS GIS BEING USED IN THE CLASSROOM?

A few examples...

Colorado high school students examine changing demographics of neighborhoods in Boulder from 1970 to 2000.

In North Dakota, high school students help local state parks use GIS to study and manage their resources. Middle school students mapped out alternative sites for a local landfill and ways to monitor its operation.

In the Upper Peninsula of Michigan, students are using GIS to map brainworm nematodes in the white tail deer population.

In Texas, students work with local police department to map crime in their area.

WHERE AND WHEN IS IT BEING HELD?

Dickinson-Iron ISD
1074 Pyle Drive, Kingsford, MI 49802
Monday - Friday 11-15 Aug. 2003 8am - 5pm

WHO SHOULD ATTEND?

All 6-12th Grade Preservice and Inservice teachers, college professors, and school technology coordinators who want to support students in exploring the world in a problem-solving, computerized environment.