



# Geography Educators' Network of Indiana

February 25, 1988

TO: GENI MEMBERS AND FRIENDS

FROM: RICK BEIN

NEWS OF NOTE:

The Gilbert Grosvenor visit to Terre Haute was very productive. On Tuesday, February 16, Mr. Grosvenor met with Governor Orr. The two reached an agreement to support the Geographic Education effort here. Governor Orr is giving \$5,000 out of contingency funds to the GENI Alliance, with an additional \$45,000 to come later from private sources. Grosvenor agreed to match that with \$50,000. These funds will be earmarked mostly for inservice and teacher symposiums.

On Wednesday, Mr. Grosvenor had a chance to elaborate at a number of sessions with ISU faculty and geographers in Terre Haute. There was also a panel discussion with K-12 teachers of Vigo County. There was a good response from all of these discussions and an interest was shown in geographic education. From the meetings we added nearly 50 people to our mailing list and letters are coming daily requesting lesson plans and information. These two days went well and were quite productive for Geographic Education in Indiana.

REMINDERS FOR YOUR BENEFIT:

- \*Applications for Summer Institute need to be submitted by April 1.
- \*IUPUI is offering graduate credit summer courses and regristration dates are approaching.
- \*Share the sheet "What Do I Get For \$10?" with others and remember to renew your own membership for this year, if you have not done so.
- \*The Geography sessions at the Indiana Council of Social Studies meeting are on April 9, 1988 (Saturday) at the Indiana Memorial Union - IU, Bloomington. The first session is the Global Geography video tape and discussion at 9:15 a.m. A general session at 10:30 will follow, dealing with concepts in Geographic Education in Indiana.
- \*Note the enclosed agenda for our NEXT GENI MEETING to be held at IUPUI, Room 438, Cavanaugh on Saturday, March 5 at 9 a.m.

See you there.

Sincerely,

F. L. Bein  
GENI Alliance Coordinator

Chairman, Board of Directors  
Fredrick L. Bein  
Dept. of Geography  
IUPUI  
Indianapolis, IN 46202

Vice-Chairman  
Bruce Bigelow  
Dept. of Geography  
Butler University  
Indianapolis, IN 46208

Secretary/Treasurer  
Michael E. Sullivan  
Dept. of Geography  
Ball State University  
Muncie, IN 47306

GENI AGENDA      MARCH 5, 1988  
at IUPUI - Room 438 Cavanaugh

OUTSTANDING GEOGRAPHY TEACHING AWARDS

TEXTBOOK EVALUATIONS

INSERVICE: STATEWIDE PROPOSAL

SUMMER '89 SYMPOSIUM

MUSIC PROPOSAL

GENI GEOGRAMS

SCIENCE FAIR & AWARDS

"Mini" In-Service Presentation  
Demonstration of the "Binko" Model

3-D MODEL-MAKING TO HELP STUDENTS CONCEPTUALIZE THE  
GEOGRAPHER'S GLOBAL GRID SYSTEM

**PURPOSE:** For teachers to experience the execution of the lesson so that they will be able to duplicate the procedure in their classrooms.

**OBJECTIVE:** Students often have difficulty conceptualizing how the grid system works on the globe. They can picture aspects of the model on a two-dimension surface, but have difficulty transferring that mental picture to a three dimensional-surface. Building the model on a mini-globe requires the students to understand what terms like east longitude and south latitude mean. Model-building is also a quick way for the teacher to see which students are having problems with which concepts.

**PROCEDURES:**

1. Participants receive the material with which to construct the model.
2. Participants follow the instructions and build the model.
3. Teacher checks for student understanding.

**MATERIALS REQUIRED:**

1. A small styrofoam ball for each student.
2. Three toothpicks, of different colors.
3. Embroidery floss in the following quantities and colors.
  - a. 1 piece of red thread
  - b. 1 or more pieces of blue thread
  - c. 1 or more pieces of yellow thread
  - d. 1 piece of black thread
  - e. 1 piece of purple thread
  - f. 1 or more pieces of green thread
  - g. 1 or more pieces of pink thread

DIRECTIONS:

1. Insert the blue toothpick at the north pole.
2. Insert the yellow toothpick at the south pole.
3. Place the red thread at the equator.
4. Place the black thread at the prime meridian.
5. Place the purple thread at the international date line.
6. Place the blue thread at any parallel of north latitude.
7. Place the yellow thread at any parallel of south latitude.
8. Place the green thread at any meridian of west longitude.
9. Place the pink thread at any meridian of east longitude.
10. Show your completed model to the instructor.
11. Insert the remaining toothpick where you are on the globe.
12. Use orange thread to connect Washington, D.C. to Moscow.

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WHAT DO I GET FOR \$ 10. ?

- 1) Monthly newsletter
- 2) Teaching ideas and activities
- 3) Information about opportunities:
  - a) Institutes
  - b) Workshops
  - c) Classes
  - d) Inservice
- 4) Membership in a local organization dedicated to teaching social studies, earth sciences and geography, K - 12.

SUPPORT YOUR LOCAL PROFESSIONAL ORGANIZATION

JOIN GENI !

Membership Application  
Geography Educators Network of  
Indiana

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone: Office: \_\_\_\_\_ Home: \_\_\_\_\_  
(area code) (area code)

Professional Position: \_\_\_\_\_

If a teacher, courses you commonly teach:

Annual membership dues are \$10 for regular members. Please make your check payable to "GENI" and send it to:

Michael E. Sullivan  
Secretary/Treasurer, GENI  
Department of Geography  
Ball State University  
Muncie, Indiana 47306