

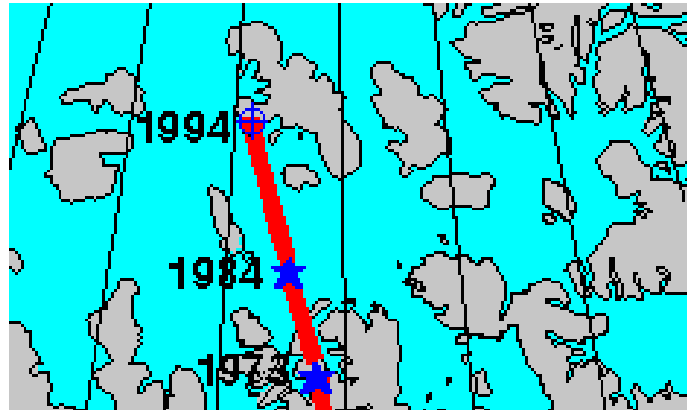
# V...The Wandering Magnetic Pole

## Purpose:

To investigate the nature of the magnetic North Pole, a position that is often thought of as constant but, in fact, moves significantly over the years.

## Objective:

To develop perceptual abilities using polar coordinates, a frame of reference new to many students.



## Procedure:

- 1) Make transparencies of any desired materials from the student activity pages in Activities VI, VII and VIII..
- 2) Copy and distribute the student activity pages.
- 3) Introduce the material in a manner suited to the class level:
  - A) Ninth grade students may need some introduction to some (or each) separate activity.
  - B) Twelfth grade students should be able to work all activities with no intervention by the teacher.
- 4) Go over some (or all) of the responses using a transparency key done by the teacher. Discuss the precision available in the data and maps in light of the variations in responses from students that may be considered equivalent.

## Extension and Homework Assignments:

Blank map grids are provided for the teacher to create custom assignments similar to activities VI, VII and VIII.

Activity VIII can be used as a homework assignment by selecting a different pair of dates (for example 1500 – 1600) and having the students answer questions 1 to 4 in Activity VIII.

