

## The Left-Handed Chocolate Caper

(For use with ArcVoyager "Designing Global Adventures: Point Me – World Physical")

Hishe Penn traveled the world in search of exotic foods. Two weeks ago, he called his office with exciting news: a variety of chocolate bean whose molecules formed opposite the usual way. This "left-handed bean" was actually much more nutritious and had all the flavor of regular chocolate. But Penn had been followed by a rival scientist whose henchmen grabbed Penn and held him, hoping to steal his discovery. Penn was permitted to write a brief note home, indicating he was safe but would be held until he cooperated. "Just don't try to tell them where you are," his captors said.

But Penn had a plan. By listening to them talk, he could tell they were not good geographers. Penn thought he could identify his location. So he wrote:

I'm fine, and my friends should not worry, nor try to find me. In this land of more than 10 million people, it would not be possible. But the steep mountains out my window are pretty, and I can see signs of two different types of faults. The land is dry, probably less than 400 mm precipitation each year, so my cell is not damp. These January days get warm but the nights are mild, maybe 15 degrees; if I'm still here in 6 months, temperatures will be in the single digits, so I hope this is resolved before then. At least my fate is better than those in the nearby city of ~~XXXXXXXXXX~~, where they lost many lives after a 7+ magnitude quake some years ago, and are not yet to a quarter million. But I'm tired of being held, and eating fish every day.

"Thought you could trick us, did you? Well I scratched out the city name," said a captor.

When the note arrived, Penn's friends looked and could make out either "Am" or "An" at the start of the city name, but the rest was unreadable. Hearing the letter read, Penn's young daughter screamed with delight, ran to the computer, and in minutes cried out "I found Daddy!"

Where was Penn to be found?

Site: Latitude \_\_\_\_\_(N-S), Longitude \_\_\_\_\_ (E-W)

Explore this site:  
23.83-S  
70.23-W