## Radio Astronomy: Lesson 1 PRELIMINARY OBSERVATIONS

## **Observations**

The computer screen is displaying a graph of a signal detected by a **horn telescope**.

1. Make a sketch of the graph illustrated on the computer screen. Label the axes accordingly. Do not spend time making it precise; a rough sketch of the behavior is fine.



2. What quantities are on each axis? What do you think the graph is a display of?

3. When the telescope is pointed in different directions, what changes occur on the graph?

What features do not change?

## **Study the Telescope System**

4. Study all of the parts of the horn telescope and the parts connected to it. Make a diagram, labeling each part if you can. This should include all of the physical pieces of the set-up as well as the electrical components and the computer.

5. Work with a partner to try to identify the function of each part.