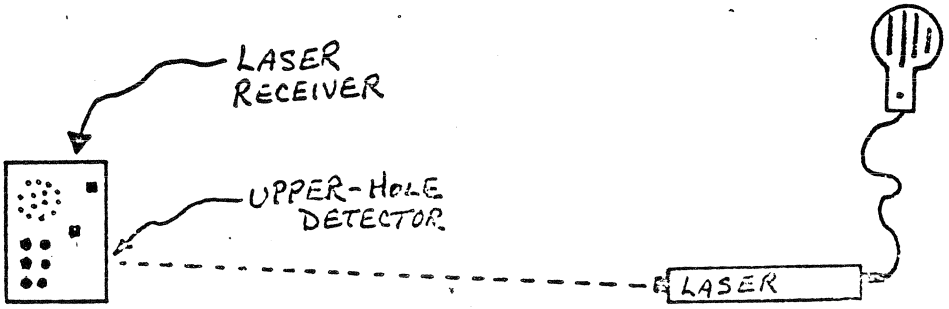
Communication
1 classhour activity

Name:

LASER COMMUNICATION SYSTEM

Procedures-

1. Set-up a laser, microphone, and laser receiver so that it looks like the picture below:



2. Plug the microphone into the back of the laser.

3. Place the laser receiver approximately 10 feet away from the laser.

4. Point the laser beam into the proper "eye" detector on the laser receiver.

5. With one person at the laser and one at the receiver, try to communicate across the laser beam. (Try tapping, talking, and popping into the "mike"; do not whistle!!!)

6. Communication completed: _____
(instructor initial)

7. In the space below, draw a diagram of the communication system that you used here, be sure that you use the terms found in this activity. Example: laser(transmit/encode), beam(channel), destination(person B), etc..

8. Describe how the feedback loop worked in this activity:

9. Describe a form of interference in this activity:

10. Time permitting, try using a fiberoptic cable between the laser and the laser receiver. Does the fiberoptic cable work?

11. Activity completed-_____
(instructor initial)