



Figure 3: The completed ARIES Refracting Telescope.

INTERPRETING RESULTS AND DISCUSSION

Have students respond to the questions on page 82 in their Science Journals. Encourage them to write in the box what they know about how telescopes work and for what purposes people use them. Discuss their responses to the following journal questions:

- ? 1. Why does the telescope have two sliding tubes?
- ? 2. How do you think you could use the straw on the telescope?
- ? 3. Does the order of the two lenses in the telescope matter?

Ask volunteers to read aloud what they wrote in the box labeled “What I know about how telescopes work.”

Lesson Extensions

- Have students collect photographs or posters of major telescopes throughout the world, such as the twin Keck telescopes in Hawaii. Discuss the different types of telescopes shown, and have students create a collage with the pictures.
- If you have access to the Internet, connect to the Hubble Space Telescope (HST) home page. Full-color images and teacher information are available. The Internet address (URL) is <http://www.stsci.edu/public.html>.