

27-inch Lamont Refractor - University of Michigan Naval Hill, Bloemfontein 1928-1975



2006 Sept 29

P. Seitzer - 7th ASSA

2006



Michigan

2006 Sept 29



Bloemfontein

P. Seitzer - 7th ASSA

Project 27 - the dream

- The Lamont refractor once again sees starlight.
- Educational/public outreach telescope at Boyden Science Centre.
- Largest public telescope in Southern Africa.
- Largest refractor in the Southern hemisphere.

Original home is now the Observatory Theatre



2006 Sept 29

P. Seitzer - 7th ASSA

4

- Project 27 - a practical plan -
 - Mount telescope in fixed position at Boyden (examples of mounting possibilities follow).
 - Series of movable mirrors to direct starlight to lens.
 - Optimized for viewing of Moon and planets.
 - Capable of remote operation.

LARGE APERTURE REFRACTORS

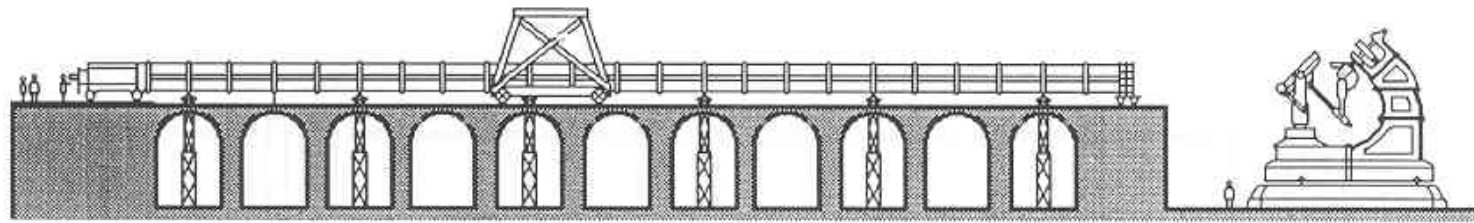


Figure 8.1. The Great Paris Refractor of 1900. The siderostat on the right feeds the 1.25 m (49.2 in) objective at the right end of the horizontal tube.

From the book Unusual Telescopes

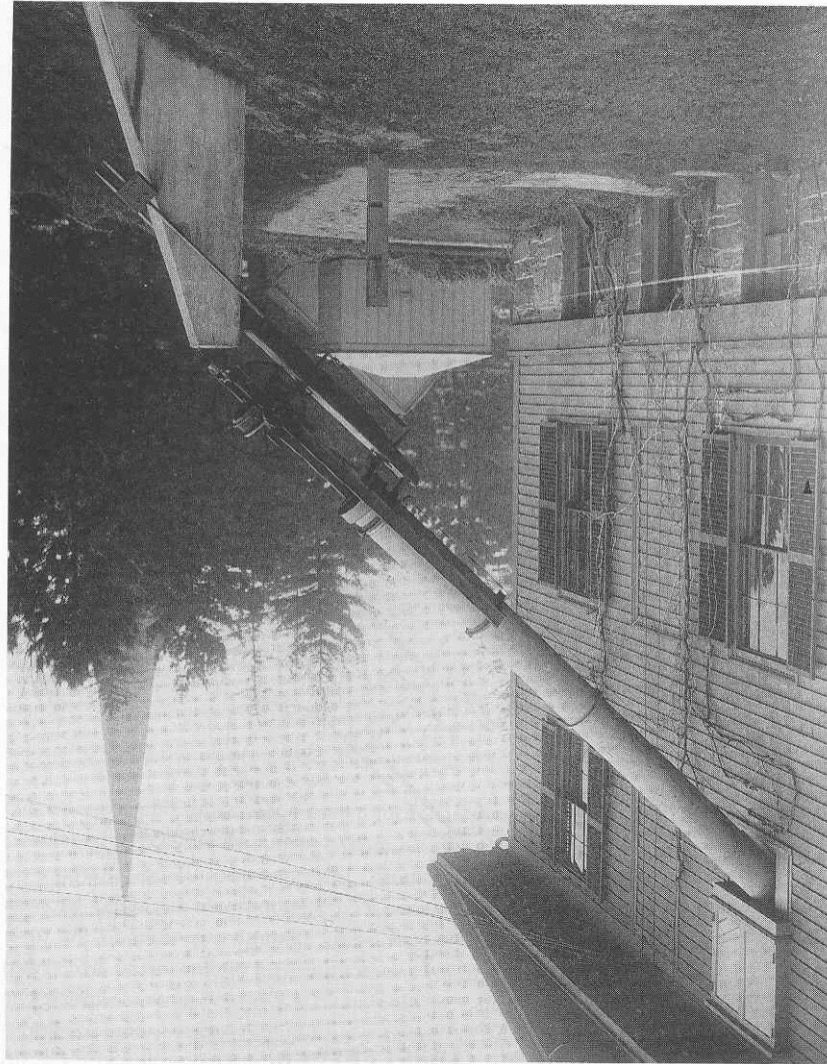
TELESCOPES BUILT INTO HOUSES



From the book Unusual Telescopes

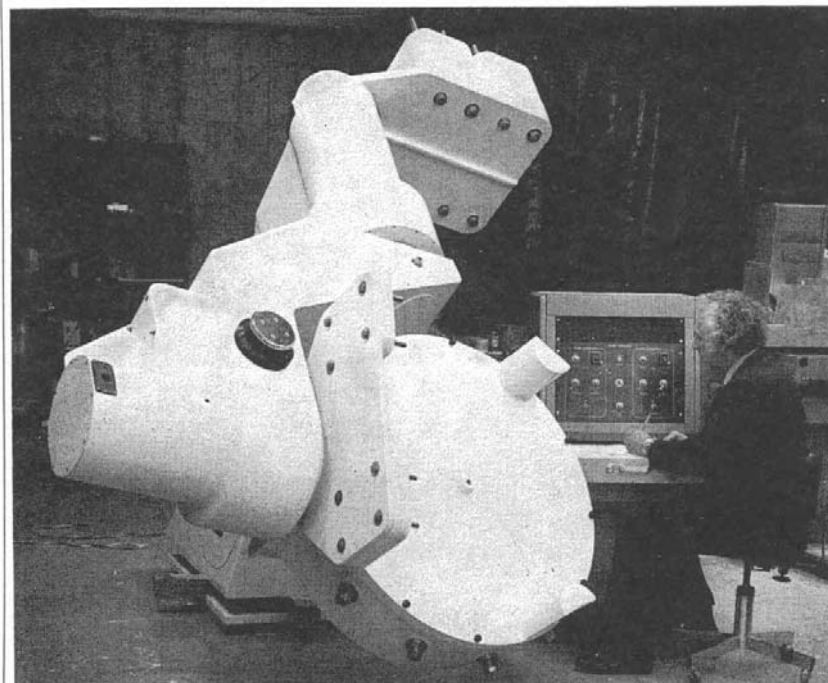
Figure 7.26. Gerrish student telescope mounted in the side of a classroom building. Photo from Harvard College Observatory.

from Harvard College Observatory.
Figure 2.50. German student telescope mounted in the side of a classroom building. Photo



TELESCOPES BUILT INTO HOUSES

2006 Sept 29



GROUP 128—THE TELESCOPE MAKERS

This 36-inch polar siderostat will be used by the Bartol Research Foundation for high-resolution spectroscopy. The massive spectrograph is stationary and situated in a comfortable laboratory. A nitrogen-flow system keeps the mirror clean. The one-arm "fork" design places the center of gravity inside the support area. The electric drives are fully programmable. This light-collector system is much less expensive than an equivalent coude telescope and offers many advantages. Call Philip Lichtman or John Wood for details.

GROUP 128, INC.

Telephone: 617-891-1800

50 Sun Street

Waltham, Mass. 02154

February, 1972, SKY AND TELESCOPE 113



John Briggs (USA)

2006 Sept 29

P. Seitzer - 7th ASSA

10



John's recent acquisition – Group 128 siderostat
2006 Sept 29 P. Seitzer - 7th ASSA



2006 Sept 29

P. Seitzer - 7th ASSA

Bloemfontein -->
12

Project 27 - the dream



+



+



At Boyden Science Centre for educational use.