

THE AMES OBSERVATORY

Information and Visiting Schedule



TEXAS CHRISTIAN UNIVERSITY

THE AMES OBSERVATORY at Texas Christian University will be open to the public from November through July according to the schedule listed on the back of this folder. We hope that you and your family will plan to visit the Observatory some evening. Students interested in Astronomy are especially urged to attend.

Location

The Observatory, which is under the direction of the Department of Physics, is located at the corner of Stadium Drive and Bellaire Drive North, just south of the Daniel-Meyer Coliseum.

Some Facts About the Telescope

The main telescope is a 12-inch diameter reflector equipped with two interchangeable secondary mirrors. When the Newtonian diagonal is in place, the focal length is 48 inches with eyepieces available giving magnifying powers of 24, 48, and 96. When the Cassegrain secondary is in place, the focal length is 192 inches with eyepieces available giving magnifying powers of 96, 192, and 384.

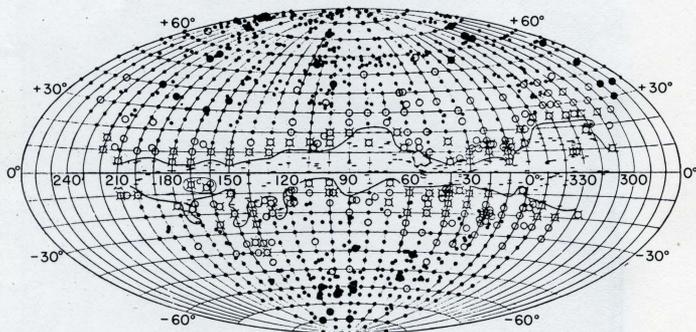
When in use the telescope is clamped into position electrically. A precision mechanism keeps the

telescope tracking any celestial object. Very fine adjustment of the telescope's position on either axis of rotation may be made by means of slow-motion controls.

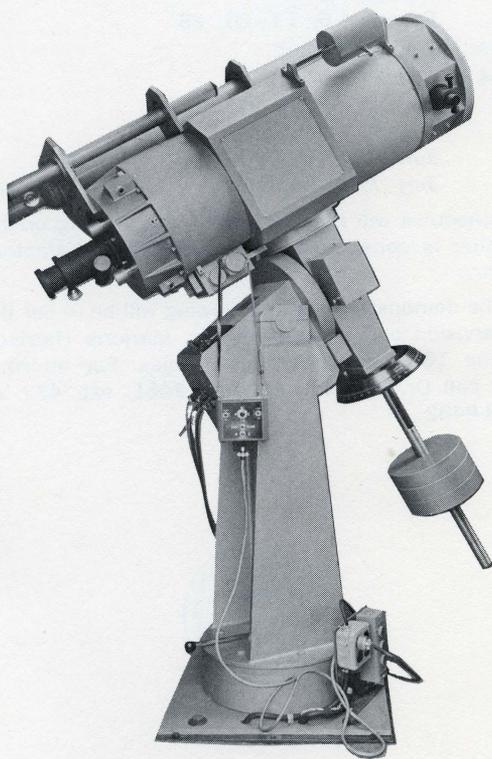
The main telescope is provided with a finder telescope with a magnifying power of 15 and a 14-inch guide telescope with a magnifying power of 60.

In addition to the 12-inch reflector, the Observatory is equipped with a 3-inch refractor with a 47-inch focal length. It has an altazimuth equatorial mount with slow-motion adjustment controls.

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Apparent distribution of galaxies in our universe. Each black dot represents an individual galaxy.



THE OBSERVATORY is used primarily for educational purposes by the Astronomy classes offered through the University's Department of Physics. In addition, visitors are invited to attend demonstrations and to view celestial bodies through the telescope.

Visiting Schedule

Hours 7:00 - 9:00 p.m.

1963 November 6, 14, 21

December 5, 12, 19

1964 January 9, 16

February 6, 13, 20, 28

Hours 7:30 - 9:30 p.m.

1964 March 5, 12, 19

April 2, 9, 16, 24, 30

May 7, 14

June 11, 18, 23, 30

July 7, 9, 14, 16

Schedules will be cancelled if it is raining or the weather is considered unfavorable for satisfactory viewing.

The demonstrations and viewing will be under the supervision and direction of Dr. Marjorie Harrison of the TCU Department of Physics. For information call Dr. Harrison at WA 6-2461, ext. 472, or PE 8-8482.

