

**ANNUAL REPORT OF THE UNION OBSERVATORY
1932**

Director Mr. H.E. Wood, M.Sc.

(Union Astronomer)

26½-inch Grubb Visual Refractor.- The year's work comprises:

Photographs of Double Stars - 78 plates with multiple exposures.

Saturn's Satellites - 20 measures.

Double Stars - 2892 measures of double stars (including the 9-inch measures).

Franklin-Adams Star Camera.- During the year, 539 plates were taken with this instrument, distributed as follows:-

Short-Focus Lens	Minor planet regions and star maps	317 plates
	Variable star regions	30 "
	Comets	158 "
Long-Focus Lens	Photometric plates	39 "

7. Comet 1952 b (Houghton-Ensor) was photographed from 1952 April 2 to May

Comet 1952 e (Kopff) was searched for from March 7 but not found until 1952 May 26, after which it was observed to 1952 November 16.

Comet 1952 g (Geddes) was observed from 1952 June 25 to September 25.

Comet Tempel I was unsuccessfully searched for on November 26.

Comet 1952 n (Forbes-Dodwell) was observed from December 17 and was under observation at the end of the year.

509 measured positions of minor planets have been forwarded to the Astronomisches Rechen-Institut.

Occultations of Stars by the Moon.- The programme of the last few years has been maintained without alteration, and 143 occultations were observed during the year.

The results of the year's observations are as follows:-

	s	"
1932.1	9.7	5.3
.3	11.1	6.1
.6	10.0	5.5
.8	8.6	4.7

The second column indicates the time by which the Moon has arrived too early at any longitude, and the third column the distance the Moon is ahead of its tabular longitude.

A number of occultations, observed by Mr. G.E. Ensor of Pretoria, has been reduced and the results forwarded to Professor E.W. Brown.

Union Observatory Circulars. During the year Circulars Nos. 86, 87 and 88 were distributed. Twenty-four southern star maps were issued with these circulars. Zones -22° , -28° , -34° and -40° are now completed.

The present state of the project is as follows:-

Maps already issued	447
Maps in hands of Government printer	15
Maps still to be prepared	94
Total	<hr/> 556

Miscellaneous. - The Union Astronomer was on leave from July 18 to November 6, and attended the meeting of the International Astronomical Union at Cambridge, U. S. A.

The number of visitors to the observatory during the year has been 1163.