

## ANNUAL REPORT OF THE UNION OBSERVATORY

### JOHANNESBURG

1952

*(Director, Dr. W.H. van den Bos, Union Astronomer)*

The 26½-inch refractor has been used on 187 nights for interferometer and on 56 nights for micrometer measures of double stars. The interferometer work is done by Dr. Finsen, the micrometer work by Dr. van den Bos, while during part of the year Dr. Voûte shared in the micrometer work as a guest observer.

Plates taken with the Franklin-Adams telescope by Mr. Bruwer:

Minor planets	206
Comets	46
Miscellaneous	7
Total	<hr/> 259 plates

Mr. Johnson, who retired in 1951 December, continued his work on minor planets and took 107 plates with the Rockefeller telescope of the Leiden southern station and the Franklin-Adams telescope. He also measured and reduced a number of plates kindly taken with the ADH telescope of the Harvard Southern Station, especially for minor planets too faint to be reached with the telescopes at Johannesburg. The Franklin-Adams telescope has also been used by Mr. Westerhout of Leiden Observatory.

With the 9-inch refractor, 17 occultations were observed by Mr. Bruwer. Counts of sunspots were made on 302 days.

During the year 941 visitors were admitted on 32 nights.

Members of the Transvaal Branch of the Astronomical Society of South Africa assisted in receiving the visitors.

The Time Service is operated by Messrs. Hers and Seligmann.

Circulars Nos. 111 and 112 were published and distributed.

Dr. Walraven was the Leiden Observer throughout the year and Mr. Westerhout from Leiden Observatory worked at the Observatory from April 9 to October 26.

Astronomers Butler, Cousins, Oort, Ramberg, Stibbs, Stoy, van der Borch and Voûte visited the Observatory.