

## I. PHYSICS

### Astrophysics

# PHOTOGRAPHING THE CORONAL AND PROMINENT FEATURES OF SOLAR ECLIPSE OF 16 FEBRUARY 1980 IN COLOUR

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THE aim of the experiment was to photograph the coronal and prominent features of the Solar Eclipse of 16 February 1980 in colour.

**Keywords :** Coronal Features of Total Solar Eclipse; Diamond Ring Phenomenon.

### EXPERIMENT

#### *Equipment*

50 mm achromatic lens of 14cm forms attached to an exacta single lens reflex camera body. Exposures were approximately  $1/25$  on Ansco chrome film of 64:A.S.A.

### RESULTS

All the frames were recorded from commencement of totality. The diamond ring phenomenon was clearly recorded. Prominences were recorded red in the colour film, the slides were excellent and were displayed at meetings of the Sri Lanka Astronomical Association and the British Astronomical Association in London.

The site facilities and services were excellent. The sky was 100 per cent cloud-free at our site.

### LOCATION

Raichur, Karnataka.